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L.C. Transfer

1919

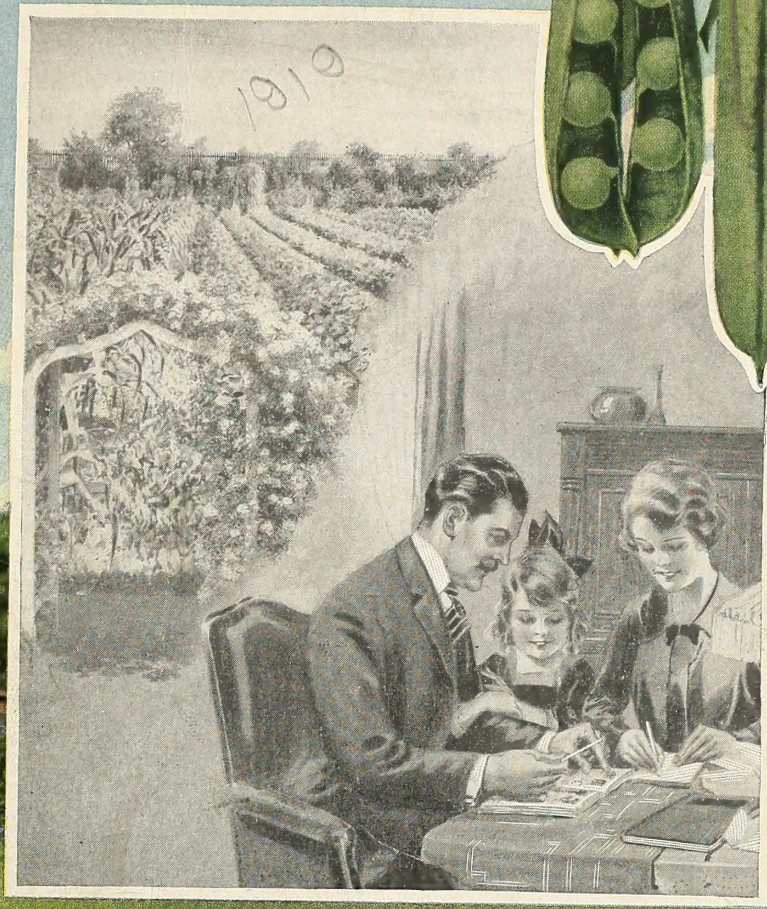
PLAN THE VICTORY GARDEN

NEW GARDEN PEA
VAUGHAN'S
TOP OF THE MORN

Insure Success

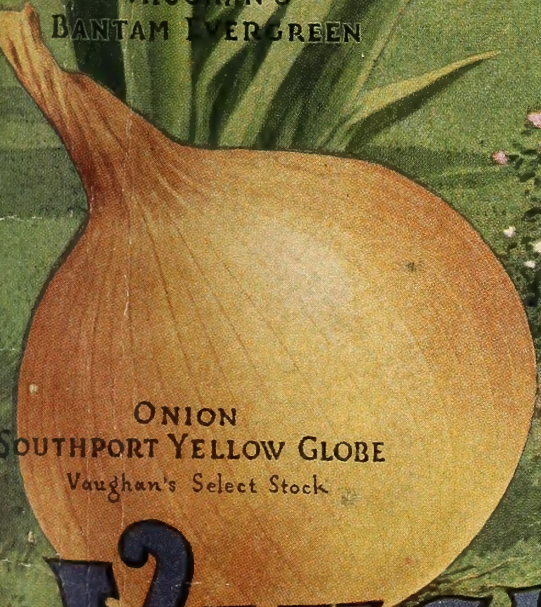
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YEAR

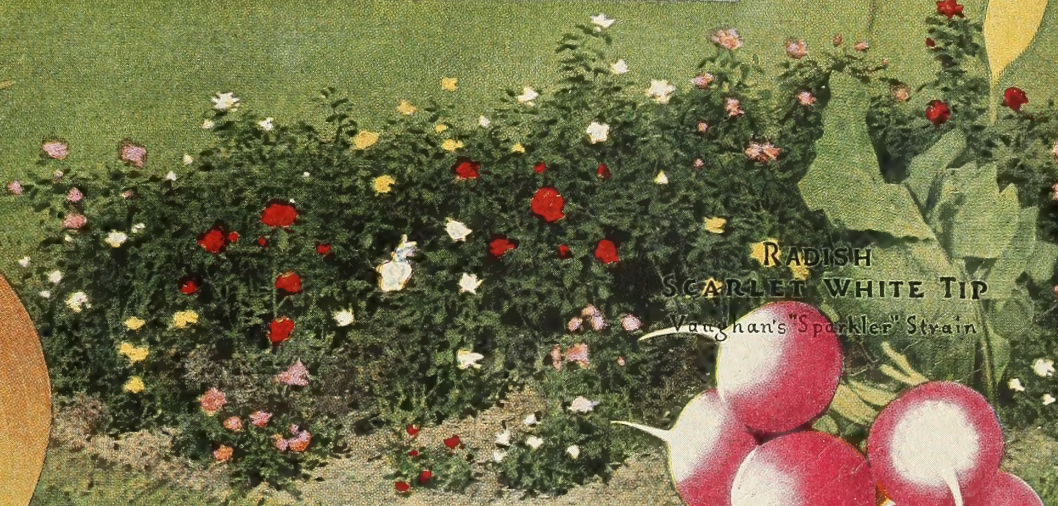


VAUGHAN'S
IMPROVED GOLDEN
WAX BEAN

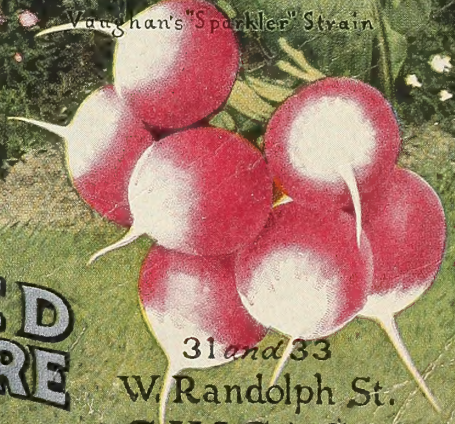
NEW EARLY
SWEET CORN
VAUGHAN'S
BANTAM EVERGREEN



ONION
SOUTHPORT YELLOW GLOBE
Vaughan's Select Stock



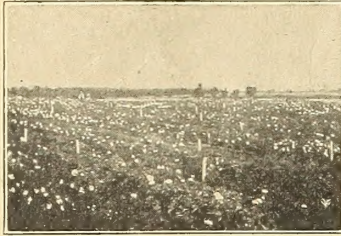
RADISH
SCARLET WHITE TIP
Vaughan's "Sparkler" Strain



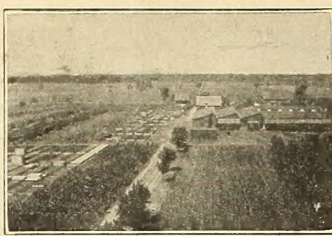
31 and 33
W. Randolph St.
CHICAGO

VAUGHAN'S SEED STORE

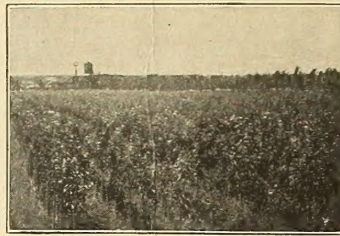
FOUR VIEWS OF VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILLINOIS



ONE OF OUR PEONY FIELDS



PROPAGATING FRAMES, PACKING SHEDS



A BLOCK OF APPLE TREES



ROW AFTER ROW OF BLUE SPRUCE

How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

Early Orders Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders sent as early as possible secure the promptest shipment and from our complete stocks.

Daily filling of seed orders is the Vaughan rule.

Order Sheets Use the order sheets accompanying this catalogue. One for Seeds, Bulbs and Garden Sundries, the other for Trees, Plants and other Nursery Stock. Please fill in all particulars carefully and distinctly and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out. No plants, trees or shrubs sent C. O. D.

Order Trees, Shrubs and Hardy Vines, if possible, before end of March—it gives us more time for selecting, packing and shipping when the planting season opens up. Early orders receive first attention.

All Trees Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Green-houses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February). Mention in your order shipping instructions and date required.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalog.

You will find your Zone Number following your name on the wrapper of this catalog. Please mark this number in the space provided for same on the top right hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where peas, beans and corn form a large proportion, are best sent this way. Orders over 5 lbs. weight going to 5th Zone and beyond, will travel cheaper than by parcel post.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money orders payable to "Vaughan's Seed Store."

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays FREE. BUT seeds ordered at peck, bushel or five pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points we add free, special new varieties of value to partly cover increased postage or express charges.

Free Delivery

We prepay at our option (mail or express) in Local, First, Second and Third Zones from Chicago or New York all Flower and Vegetable Seeds ordered at rates of single packet, ounce, quarter-pound, half-pound and pound; also two pound lots of Peas, Beans and Sweet Corn.

Where bought in quantities exceeding the above, and at special quantity prices, add postage at zone rates.

N. B.—Buyers who reside beyond the third zone from Chicago or New York may have all the seeds above mentioned prepaid for 5c per lb. additional.

This offer includes the 4th, 5th, 6th, 7th and 8th zones and the dependencies of the United States.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

We advise for safety against injury, to use express shipments on parcels weighing over 15 lbs.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

Our Terms with customers account are strictly cash with order. We prefer not to send C.O.D., but if wanted by that method, customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D.

Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which replanted in the ground under varying conditions of soil and climate that we, in common with all American seed houses, disclaim responsibility as to

the crop which may be raised from seeds which we sell. At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised, or seeds may be returned.

We wish it understood that all our stocks are sold under the following conditions.

We Do Not Warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

OUR FRONT COVER

OUR front cover vegetables are the same as last year. In their respective classes we believe each one represents as high table quality as can be had. They are all "Vaughan's Specials," grown by us or especially for us. Start off your garden list with these sorts—Sweet Corn, Vaughan's Bantam Evergreen, larger and as sweet as our Golden Bantam. Peas, Vaughan's Top O' the Morn, an early dwarf pea, with immense, well filled pods. Onion, Southport Yellow Globe, Vaughan's Select Stock, ideal shape for winter storage. Beans, Improved Golden Wax—in our opinion the best flavored wax bean. Radish, Scarlet Turnip White Tip, Vaughan's Sparkler Strain, a beautiful bright red white tipped radish.

SWEET CORN

Vaughan's Bantam Evergreen
Large pkt., 15c

EARLY DWARF PEA

Vaughan's Top O' the Morn
Large pkt., 10c

ONION

Southport Yellow Globe
Vaughan's Select Stock, pkt., 10c

(All the above fully described elsewhere in catalogue.)

DWARF WAX BEAN

Improved Golden Wax
Large pkt., 10c

RADISH

Scarlet Turnip, White Tip
Vaughan's 'Sparkler' Strain
Large pkt., 10c

These five packets for 45c prepaid

DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.

	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof..	5c.	1c.
Second Zone within 50 to 150 miles of either	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
(See our prepaid offer above for zones 1 to 3.)		
Fourth Zone within 300 to 600 miles	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone within 1000 to 1400 miles	9c.	8c.
Seventh Zone within 1400 to 1800 miles	11c.	10c.
Eighth Zone all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

VAUGHAN'S SEED STORE

CHICAGO-NEW YORK

*For the 1919 Garden
Use and Beauty*

**"Spring infusing subtle heats
Turns the sod to violets"**



THE gloom and storm of war have gone with the passing of the year. Quickened with Springtime hopes, the pulse of all Humanity throbs in unison with that of Nature as she thrills to life for a new and glorious season.

Our tremendous campaigns at home and abroad have won through to Victory.

The war, wonderfully ended, has granted us a peace of promise beyond our hopes.

Our returning field Army salutes our Army of the fields and farms—honored comrades of the Great Crusade—the War-to-end-all Wars.

The thoughts and energies of both Armies are free to turn to the peaceful tasks of a new era with high hopes and renewed confidence.

Increased opportunity has been forced upon us and our country and with it new and important duties. Let us not overlook these opportunities in food production.

In the joy of homecomings and reunions, in the celebration of Victory and the return to us of plenty and its enjoyment, let us not forget that the Army of the Gardens and Farms has more work still ahead, for our own sakes, for our Allies and even for our late enemies.

Our Crusaders must still be fed whether billeted in Rhineland fortresses, in Russia or in demobilization camps at home. Our Allies, their widows and orphans, their maimed and blind must be maintained until they can again get food production under way. Even our enemies must buy foodstuffs of us to bridge the present gap in their own overproduction; for they must live in order to pay their debts and repair the damage they have wrought. We must still plant and reap and save—no longer for Victory but for the fruits of Victory.

The demand for food will continue urgent this year. The home gardener will have plenty, excellent in quality, low in price. Others must pay well for their edibles and flowers.

The Farm and Garden this year face a splendid outlook for service and profit—unlimited demand for their products, whether food, forage or flowers, with labor and tools available in adequate and increasing quantities and at dropping prices.

The blessings of Peace and Prosperity will fall on the people with the big crops this year. A long time will elapse before you obtain better prices for your foodstuffs, flowers or plants than in the coming months.

MAKE 1919 YOUR BANNER YEAR

Have your garden beautiful but bounteous with a prosperous profusion of flowers, fruits and garden products. Plan early, plant early!

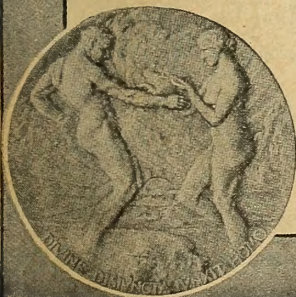
Let us again increase production. If you have questions to ask, ask us now.

Don't delay 'till the mid-season rush.

See Inside Back Cover Page for GARDEN PLANNING Hints.

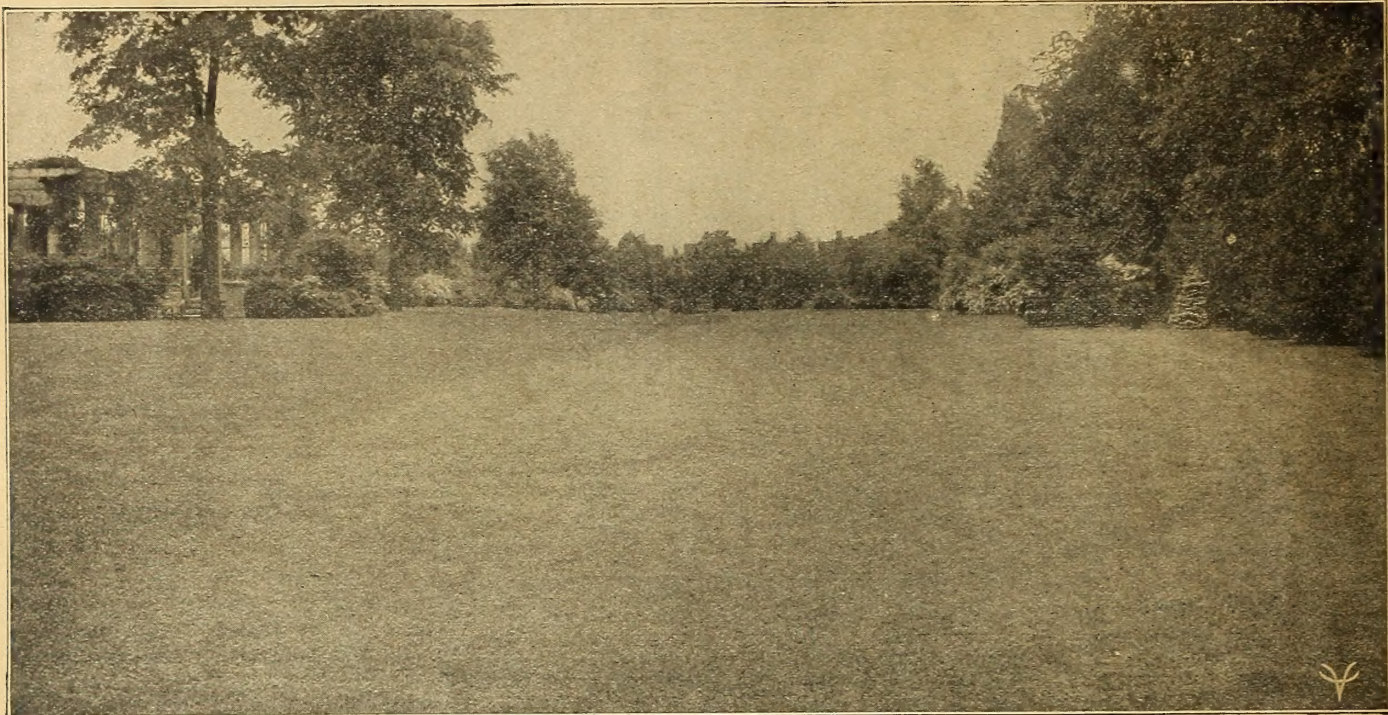


Five Gold Medals at
San Francisco Exposition.



READ THE INDEX AT END. IT TELLS THE STORY

BE SURE! PLANT VAUGHAN'S



FANCY CLEAN HIGH VITALITY EFFECTIVE

For more than a third of a century Vaughan's standard mixtures of Grass Seeds for All Lawns, under many conditions of soil, sun or shade, have given general satisfaction.

Our processes of cleaning, re-cleaning and testing for germination, not less than the care taken in selecting samples, the finest the

seasons and markets afford, have yielded a degree of uniformity in growth and quality, impossible of attainment with less complete facilities and less knowledge of sources and methods

Based on forty years of experience, Vaughan's Lawn Mixtures are most carefully and skillfully prepared.

VAUGHAN'S PUTTING GREEN MIXTURE

Vaughan's Putting Green Mixture produces the best growth of firm turf adapted to the requirements of the putting green. We make a specialty of adapting it to the conditions of different soils, by the experience of our experts. Do your "Putting" on Vaughan grass. One lb. sows 350 to 400 square feet.

Price, 1 lb. 40c; 5 lbs. \$1.90; 50 lbs., \$17.50; 100 lbs. \$35.00.

VAUGHAN'S "GOLF LINK" FAIR GREEN GRASS

The grasses in this mixture endure wear and tear, and retain a fine appearance, which adds much to the pleasure of the game.

Price, 1 lb. 35c; 5 lbs. \$1.60; 50 lbs. \$15.25; 100 lbs. \$30.00.

Special prices on large quantities.

Special Quotations.—We shall be pleased to quote special prices to Golf Clubs, Institutions, Parks and others, who require Lawn Grass and Clover Seeds in large quantities.

IMPORTANT TO GOLFERS The best turf grasses for golf links are produced in Europe. With the close of War we shall soon be able to supply again the best grades of Scotch and English grass seeds.

Golf clubs will find it to their advantage to get the latest prices from us. Our advice service is at your disposal free of charge; we welcome your inquiries.

ADVICE TO CAREFUL PLANTERS

From Department of Agriculture, Washington, D. C., Bulletin 494

"In procuring seed for a lawn too great care cannot be exercised. Pure seed of high germination is of great importance in securing a good stand of grass.

"Pure Seed is the keynote to a clean lawn, provided the work of preparing the land has been efficiently done.

"Thorough preparation involves not merely the mechanical treatment of the soil to reduce it to a proper seed bed, but the use of weed-free manure and the adoption of a course of treatment previous to preparing for the lawn, which shall serve to eradicate weeds. Such preparation coupled with pure seed, should give a satisfactory stand of grass which should need only the usual care necessary to maintain a lawn after it is once established."

VAUGHAN'S TENNIS LAWN MIXTURE

Vaughan's Mixture for Tennis Lawns is the best there is for Cricket grounds, Bowling greens, etc. Sow 50 to 60 lbs. per acre for new lawn or bowling green; 15 lbs. to 20 lbs. to improve existing turf. Price, 1 lb. 35c; 5 lbs. \$1.60; 50 lbs. \$15.25; 100 lbs. \$30.00.

VAUGHAN'S LAWN FERTILIZER

The high-grade fertilizer sold by Vaughan's Seed Store is immeasurably superior to the best rotted manure. It supplies the essential plant food, which, grass, being a voracious feeder, requires to produce the velvety texture and beautiful color, so attractive and inviting to the eye. Manure has undoubtedly the soil enriching quality, but it is unsightly, with offensive odor and worse still contains often live dangerous weed seeds. Vaughan's Lawn Fertilizer has been sterilized, killing all weed seeds.

DIRECTIONS: Make first application in early Spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price, 5 lbs. 40c; 10 lbs. 70c; 25 lbs. \$1.60; 50 lbs. \$2.85; 100 lbs. \$4.50; 200 lbs. \$8.50; 500 lbs. \$19.30; 1,000 lbs. \$33.25; 2,000 lbs. \$66.50.

HARDWOOD ASHES This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, and freedom from weeds.

Price, 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; 500 lbs., \$11.50; 1000 lbs., \$18.50; 2000 lbs., \$36.00.

QUANTITIES OF SEED TO USE FOR NEW LAWNS

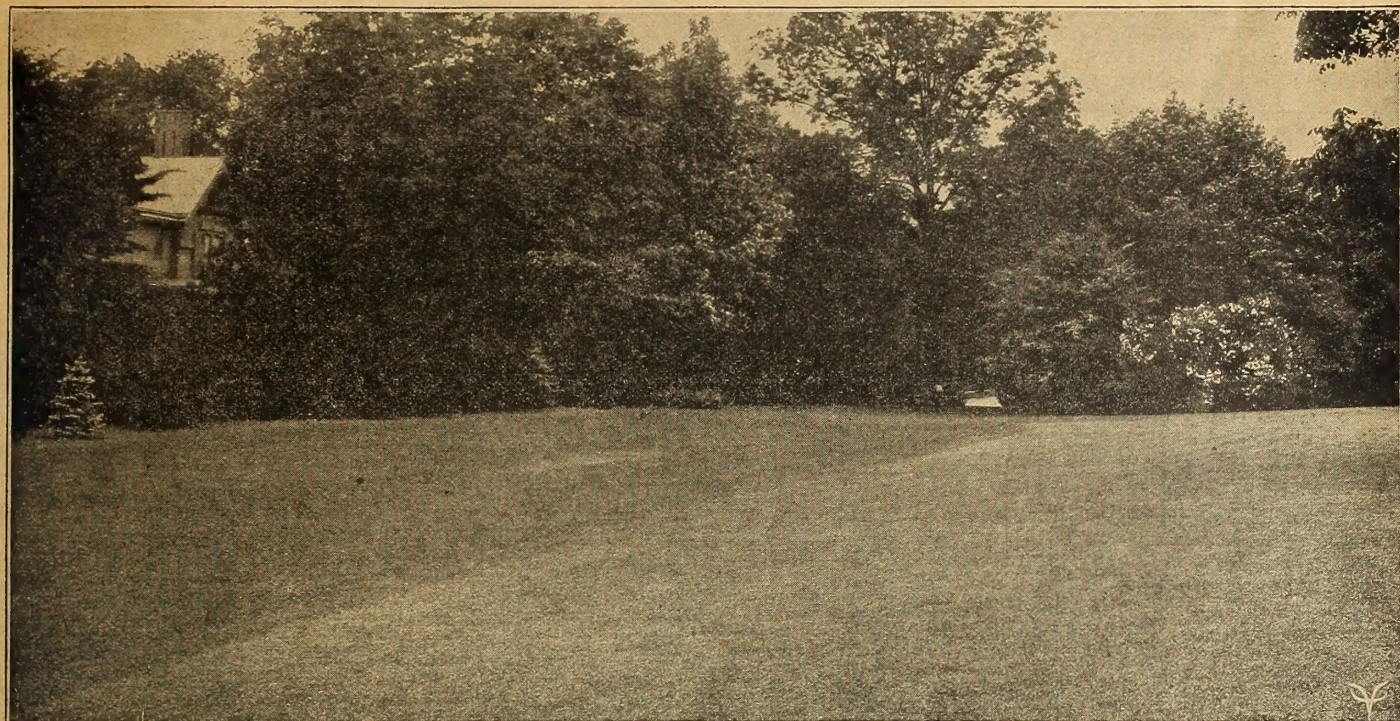
25 lbs. for one-fourth acre.....	1 lb. for 300 square ft.
50 lbs. for one-half acre.....	5 lbs. for 1,500 square ft.
100 lbs. for one acre.....	10 lbs. for 3,500 square ft.
	15 lbs. for 4,250 square ft.

For Old Lawn, use half above quantities to get ideal results, if sown early before withering summer heat comes on.

Cultural leaflet—"How To Make a Lawn" FREE with order.

Plant a row of Trees or a corner of Shrubs to commemorate the Victory and Peace Year.

CHICAGO PARKS LAWN SEED



TYPES OF OUR GRASS SEED FOR LAWNS



We also prepare special mixtures to meet various conditions of soil and climate. On request our booklet "How to Make a Lawn" will be mailed free.

For beautiful lawns in sunshine or shade, grassy places or charming meadows, for extensive parks or for hard-used playgrounds,

Vaughan's Grass Seeds and grass mixtures everywhere produce highest results, both in beauty and serviceableness.

Vaughan's "Chicago Parks" and "Columbian" are the American Standards in lawn grass seeds because they contain only the highest grade of each ingredient.

VAUGHAN'S "CHICAGO PARKS"

Quantities to Use—see opposite page

Vaughan's "Chicago Parks" Lawn Seed is familiarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf without the aid of cheap "quick-showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest samples of evident purity and germination.

For a third of a century it has been standard in America, each year adding to its popularity and increased sales.

In the great parks and beautiful cemeteries, where best results must be had in producing beautiful and enduring grass, Vaughan's "Chicago Parks" is used almost exclusively.

Many of the show places in New England, Long Island, New Jersey and throughout the "Middle West," Vaughan's "Chicago Parks" has produced those places of beauty.

Vaughan's "Chicago Parks" lawn grass seed is thoroughly cleaned, then re-cleaned. This applies to all the separate kinds of seed contained in the mixture, besides which each lot is tested for germination, in the most painstaking and careful manner.

Price, 1/2 lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.70; 20 lbs., \$6.20; 25 lbs., \$7.70; 50 lbs., \$15.25; 100 lbs., \$30.00.

Postage 8c per lb. extra if prepaid offer below does not apply.

VAUGHAN'S SPECIAL GRASS MIXTURE

Contains large proportion of finer, more expensive grasses, like Rhode Island Bent, Red Fescue, Kentucky Blue, in extra heavy samples, making weight 20 lbs. per bushel. Produces turf of closest, finest texture. Sow 50 lbs. to acre.

Price, per quart, 35c; bushel of 20 lbs., \$7.00.

Special Prepaid Lawn Seed Offer. On all orders of Lawn Grass Seed amounting to \$2.00 and over, we prepay transportation within 300 miles of Chicago or New York. See other Prepaid Offers on inside front cover page.

VAUGHAN'S "COLUMBIAN"

For Shady Lawns or Sandy Soil

QUANTITY TO USE—Sandy soil, use 1 lb. for 400 square feet; 5 lbs. for 2,000 square feet; 10 lbs. for 4,000 square feet; 15 lbs. for 6,000 square feet, 25 lbs., for one-fourth acre; 100 lbs. for one acre.

On sandy soil in shade, conditions are met with when making a lawn which require the use of a special grass seed mixture.

To provide sure and beautiful lawn grass under such conditions, Vaughan's "Columbian" has been prepared with exceptional care.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the United States justifies its use by every one who needs lawn grass for a shady place or for light, sandy soil.

Sow at least 100 lbs., per acre for new lawn; 50 lbs., per acre for thin grass.

Price, lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.70; 20 lbs., \$6.20; 25 lbs., \$7.70; 50 lbs., \$15.25; 100 lbs., \$30.00.

VAUGHAN'S DEEP SHADE MIXTURE

Composed of grasses most suited for growing in heavily shaded situations. Price, Per lb., 50c; 5 lbs., \$2.35; per bu. of 20 lbs., \$8.00.

Vaughan's Lawn Restoring Grass Mixture

Takes hold and grows quickly on wornout or burned spots. Sow in very early Spring, or in the Fall during September; also before every Summer rain, on thin places. Price, per quart, 35c; per bushel of 24 lbs., \$7.00.

VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing after first season. Sow 50 lbs. to acre.

Price, per lb., 25c; 5 lbs., \$1.00; 100 lbs., \$18.50.

Kentucky Blue Grass we offer in two grades—Extra Fancy Seed, sun-dried, twice re-cleaned. Of very high germination. 1 lb., 40c; 5 lbs., \$2.15; 10 lbs., \$3.75; 100 lbs., \$35.00. **Fancy Seed**—Actual weight 21 lbs., per bushel. 1 lb., 35c; 5 lbs., \$1.65; 10 lbs., \$3.25; 100 lbs., \$30.00.

Red Top Grass Fancy Crop very short. Solid seed, bushel 32 lbs. 1 lb., 25c; 10 lbs., \$2.25; 100 lbs., \$20.00. **Common Unnull'd** Bushel 14 lbs. 1 lb., 15c; 10 lbs., \$1.35; 100 lbs., \$12.00.

White Clover Extra fancy seed. 1 lb., 80c; 3 lbs., \$2.30; 10 lbs., \$7.50. Add 8 cents per pound to above prices if wanted by mail.

Plant a row of Trees or a corner of Shrubs to commemorate the Victory and Peace Year.

VAUGHAN'S Vegetable Seed Novelties and Specialties for 1919

On the following three pages we list the newer thoroughly tried varieties of vegetables, we consider of merit and also some particularly good or improved strains of standard sorts. We do not rename selected stocks of old well known vegetables as

NEW ASPARAGUS

We are pleased to be able to offer a limited amount of seed of this new American strain of giant asparagus. It is the first result of a plant-breeding campaign started by the United States Department of Agriculture to produce a rust resistant asparagus. Rust resistant and vigorous plants selected from

NEW BEANS

SURE CROP WAX. An extra early, perfectly stringless flat Wax Bean. It is black seeded and might be called a Stringless Currie's Rustproof. The pods are large and of a golden yellow color, which they assume while still very small. Hardy and prolific.

Pkt., 10c; lb., 45c; 2 lbs, 85c; 10 lbs., \$3.75. Larger quantities at 10-lb. rate.

SUTTON'S MASTERPIECE. (Green Pod.) The best of the greenhouse forcing beans. Also valuable as an exhibition sort. The pods are flat like Bountiful, but larger and thinner. Early in season and a heavy yielder.

Pkt., 20c; ½ lb., 40c; 1 lb., 75c; 2 lbs., \$1.45.

WEBBER WAX. A Bean of the same season and utility as the Wardwell's Wax and Davis' Kidney Wax varieties. The vine is upright and holds the pods well off the ground. The pod is long, of handsome market appearance and bright yellow in color. Seed yellow. Hardier and more prolific than Wardwell's.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75. Larger quantities at 10-lb. rate.



SURE CROP WAX

such practice is very confusing to the planter. Where we offer such it is under the name "Improved" or "Vaughan's Selected", giving the standard or type name. We have two splendid, entirely new vegetables this year—a Rust-proof Asparagus, "Washington" and a Cucumber, "The Vaughan."

WASHINGTON

thousands have been crossed with a single made resistant plant "Washington" and most careful re-selection practiced. We urge all, and especially commercial growers, to give this a thorough trial. Pkt., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.50.

CABBAGE—COPENHAGEN MARKET

The earliest large round or flat-head sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are round, dish-shaped and fold tightly together in remarkably compact and solid form; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. The entire crop can be harvested at one time, and thus clear the field for other crops. In quality it is exceptionally good; earliness, ripening at one time, compact growth, large heads and high quality are features which have made this new Cabbage the most popular early variety today. Seed very short.

Pkt., 15c; ½ oz., 75c; oz., \$1.35; 2 ozs., \$2.50; ¼ lb., \$4.50; lb., \$16.00.



CABBAGE—DUTCH WINTER

or HOLLANDER (Stock Seed)

The value of careful and scientific seed breeding nowhere shows to more advantage than in growing cabbage. A small amount of seed produces enough plants for the setting out of a large acreage. The seed cost thus is of minor importance, in view of the relative values of good seed and crop.

Some years ago we made arrangements with a celebrated Danish Cabbage Grower to raise for us a quantity of Stock Seed of the Dutch Winter or Hollander (Short Stem) Cabbage. For a price he agreed to rogue or cull his Seed Cabbages until each plant was as near like another as possible—in other words, to grow for us in quantity just such a quality of seed as he, as a grower, would use for Stock Seed. Our supply very short.

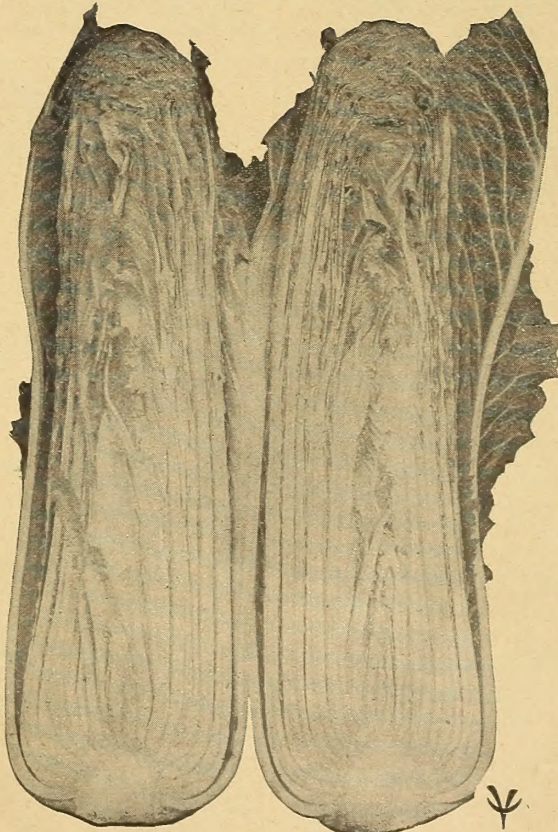
Pkt., 10c, ½ oz., 75c; oz., \$1.35; 2 ozs., \$2.50; ¼ lb., \$4.50; lb., \$16.00.

Also called CELERY and CHINESE CABBAGE

CHINESE PETSAI

The Tenderness of Lettuce
The Crispness of Celery

This exceptionally fine vegetable is rapidly growing in public favor. It possesses characteristics which place it as a cabbage in a class entirely by itself. In shape it is unlike any other familiar type of the cabbage family. Its habit of growth resembles the Cos Lettuce; the outer leaves, however, have the general texture of ordinary cabbage. Seedlings are so unlike the ordinary cabbage that many planters often think at first they have planted turnips. When the outside leaves are stripped away the cabbage presents a well nigh irresistible appearance combining a picture of Lettuce and Celery. Our strain of this seed is by far the best of any we have seen—grown in China by a



specialist, whose family has raised and selected this particular type for many years. Note the compact, tightly folded leaves in our illustration and their beautiful whiteness and crisp appearance. The heads blanch without tying.

"A SALAD VEGETABLE" is David Fairchild's summary of Petai in a recent issue of the Journal of Heredity. As palatable as lettuce, keeps better, equal in food value and can be grown at half the cost of lettuce. Boiled like cabbage it is of equal flavor, without offensive odor and many people who cannot eat or do not like cabbage enthuse over Petai.

There are several strains, the Petai is we think the best of all.

Pkt., 10c; ½ oz., 30c; 2 oz., 85c; ¼ lb., \$1.35; lb., \$4.50.

EASY BLANCHING CELERY

A recent introduction of merit. It is a vigorous grower, of medium dwarf height, stalks thick; the crumbled leaves are distinctive. Quality excellent. A most desirable variety for the amateur, as it blanches easily and is at the same time one of the best keeping (put-away-green) varieties. Second early, but can be grown for winter and spring use. Worthy of trial.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25; lb., \$4.50.

Vaughan's Specials

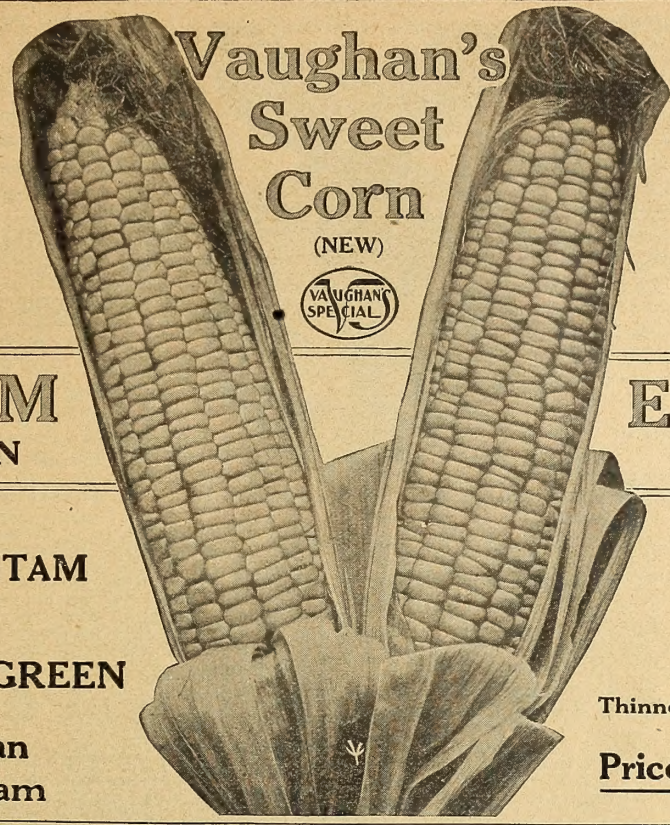


We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

THERE ARE NONE BETTER.

VAUGHAN'S Vegetable Seed Novelties and Specialties for 1919

The
Greatest
Sweet Corn
Yet
Introduced



Vaughan's
Sweet
Corn

(NEW)



Right Size

One-third larger than Golden Bantam — As large as Early Champion. (See colored reproduction on front cover).

Heavy Yields

Very prolific, producing as heavily as main crop sorts.

BANTAM
THE GOLDEN

EVERGREEN
SWEET CORN

Raised From

GOLDEN BANTAM

X

BANTAM EVERGREEN

Second Early

Follows directly after Golden Bantam.

Tender

Thinner-skinned than Golden Bantam.

Sweeter Than
Golden Bantam

Price: Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

(Larger quantities at 10-lb. rate)

VAUGHAN'S EARLY IOWA

The Earliest
Market
Sweet Corn



This is a **Vaughan Special**, which, in middle-west conditions, produces the **earliest sweet corn of marketable size**. It is a week earlier than Red or White Cory. The continuous effort to produce something better in sweet corn has given us **Early Iowa**. The stalks are short, with little foliage, and usually have 2 ears to a stalk; the ears contain a cob of 8 rows of fine, tender, sweet, juicy corn that makes eating a delight. **Early Iowa** is a combination of size and earliness in sweet corn to constitute a desirable product for any home or market garden—the stock we sell is grown on our own farm in Michigan.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25. Larger quantities at 10 lb. rate.

MALKOFF SWEET CORN

The Earliest
Really Sweet
Sweet Corn



The **great sweet corn** for northern country; in the Northern States and Canada where the season calls for quick maturing this is **the best** of all sweet corn. In flavor it has no equal, and its popularity because of quality shows it merits the attention it has received. It is a dwarf growing corn, rarely exceeding 4 feet in height; the stalks usually average 2 ear each, which are small, slender, 12 rowed, white cob ears. The kernels are shallow and sweet. Our stock has been carefully re-selected and crop harvested on our Michigan farm. Grown in that latitude insures an **extra early strain**—and the care we give insures the very utmost in excellence of quality. **Malakoff**, under most conditions is the **earliest good quality sweet corn**.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25. Larger quantities at 10 lb. rate.

EARLY MAYFLOWER

The Large
Early Eastern
Sweet Corn

Under central Eastern conditions, particularly in the New England States (New York, New Jersey and Pennsylvania), this is the **earliest sweet corn of good size**. In the Middle West it has not proven as early as our **Early Iowa**, while on the other hand, **Early Iowa** is a little later in the localities mentioned than **Mayflower**. This corn is entirely white cob and kernels—ten to twelve rowed—larger than **White Cory** and ten days earlier. New England grown seed.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50. Larger quantities at 10 lb. rate.

Cucumber "The Vaughan"



WHITE SPINE CUCUMBER "THE VAUGHAN"

A really sensational novelty. In our opinion the best new cucumber ever introduced. Compared to other extra long white spine cucumbers, like **Davis Perfect**, **Fordhook Famous**, it is much darker in color, more uniform in size, thinner and more prolific. We are offering in packets only so that growers can all try it out. We hope to offer in quantity next year.

One packet only to a customer. Pkt., 25c.



Three New and Distinct Lettuces

BLACK SEEDED BIG BOSTON

An improved **shipping strain** of the **Big Boston**. Leaves are slightly smaller; sometimes heads harder, does not rot as quickly in cold, rainy weather. This lettuce is in great demand in large Southern lettuce sections. Pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.50.

CENTRAL MARKET FORCING

An almost ideal hot-bed forcing lettuce, dainty, crisp, hard heads and the first to form. Our private estate trade are very enthusiastic about this sort.

Pkt., 10c; 1/2 oz., 25c; oz., 35c.

WAYAHEAD

Very early head lettuce, in season about time of "May King." Is larger than **May King**, and its color is more attractive. The head is of fine golden yellow, and the outer leaves a beautiful light-green; for an early variety it is slow to run to seed.

Pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.50.

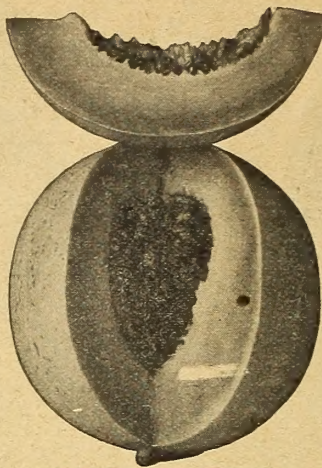
VAUGHAN'S Vegetable Seed Novelties and Specialties for 1919

NEW MELON, HONEY DEW



A new melon originating in the Rocky Ford district with a somewhat vague story of the first seed having come from some place in South Africa. The skin is perfectly smooth, of a delicate yellow color with incidental warts in scattered fashion. The rind is thin but very firm, the flesh is very thick and color blends from a near white at the rind to the faintest of emerald greens at the seed cavity which is of medium capacity. The flesh is very sweet and juicy and possesses a peculiar honey flavor. In short season localities it should be started on sods in the hot bed, as it is several weeks later than the Rocky Ford Cantaloupe. Honey Dew is best when quite ripe. Store a few days after picking.

Pkt. 10c; oz. 20c, 2 ozs. 35c; ¼ lb. 60c; lb. \$2.00.



HONEY DEW MELON

MELON, EXTRA EARLY OSAGE

A superb early strain of the Popular Orange Flesh Osage Melon. Not as large as Vaughan's Original Osage but at least ten days earlier and of equal quality. The Market Gardeners will find it a money maker.

Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.25.

ONION, IDEAL YELLOW GLOBE

An elongated or "bottle necked" type of Yellow Globe Onion selected along the lines of the European Pear-shaped Onions. This type is much admired by many onion growers, and under favorable conditions produces the finest appearing bulbs of any market onion. When grown small, they appear slightly smaller on account of their relatively shorter diameter than a round type, which is really of equal weight.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

ONION, GIANT GIBRALTAR

A variety quite similar to Prizetaker. The European crop is a failure this year. We offer American-grown seed raised from bulbs produced from European seed. The strains runs slightly larger in size than the usual run of Prizetaker.

Pkt. 15c; oz. 40c; ¼ lb. \$1.30; lb. \$4.50.

RADISH, GIANT BUTTER

This is by far the largest of the early turnip, forcing radishes, exceeding in size even the Crimson Giant or Wurzburger. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. The quality is unexcelled, tender, crisp. Does not become hollow or pithy.

Pkt. 10c; oz. 30c; ¼ lb. 85c; lb. \$3.00.

Four of the Best New Peas

Vaughan's New Pea, TOP O' THE MORN

Illustrated in Colors on Our Front Cover



This is one of the very best of the new Dwarf Giant Podded Peas. We like it particularly because of its vigor and ability to produce a crop under unfavorable conditions. Year in and year out Top O' The Morn will far outyield other varieties in its class. The vines are of a deep green color, growing 18 inches in height—no staking required. The pods are blunt-ended, like Nott's Excelsior or Little Marvel, but much longer, and are produced in pairs and clusters all up the haulm. Flavor exquisite. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.50. Larger quantities at 10 lb. rate.

PEA, MARCHIONESS

A valuable addition to the tall, early varieties. It may be briefly described as an extra early Gradus. Pods are of equal size to Gradus, and in season several days earlier. Quality superlative. The finest high quality early garden pea.

Pkt. 15c; lb. 50c; 2 lbs. 90c; 10 lbs. \$3.75. Larger quantities at 10 lb. rate.

PEA, LAXTON'S SUPERB—Semi-Wrinkled

A very important introduction, especially for market gardeners. It is one of the large podded dwarf peas with nearly smooth seed, so it can be sown earlier than wrinkled kinds without danger of the seed peas rotting in the cold ground. The market gardener can plant Laxton's Superb, because of its dwarf habit, between other crops, such as tomatoes, thus producing two crops on the land at the same time. The pods are large and slightly curved dark green in color.

Pkt., 15c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.50. Larger quantities at 10 lb. rate.

NEW SWISS CHARD

COOPER'S MAMMOTH

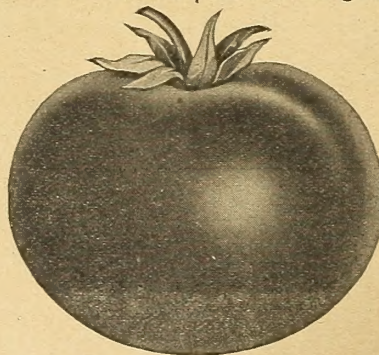
The growing popularity of Swiss Chard is well deserved. There is nothing in the vegetable line which yields equal returns in the home garden. A short row will furnish the home all summer. This new mammoth sort is a medium green-colored variety of immense size—large chard or midrib of excellent quality, free from the usual "earthy" flavor of the regular chards.

Price, pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

TOMATO, GOLDEN PONDEROSA

A novelty of merit for the Home Gardener. This is a yellow Ponderosa equal in size to that magnificent variety but of a golden yellow color. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits.

Pkt., 10c; ½ oz. 35c; oz. 60c; ¼ lb. \$1.75; lb. \$6.50.



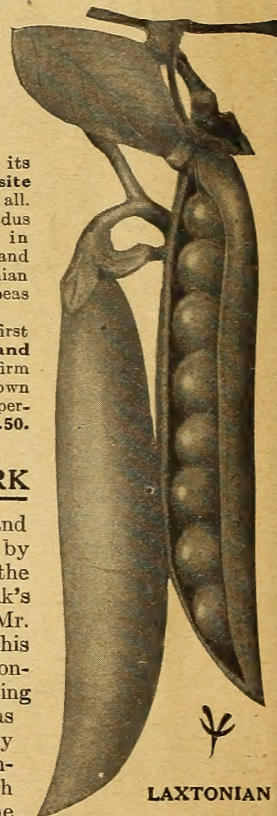
TOMATO, VAUGHAN'S NEW YORK

PEA, LAXTONIAN

THE NEW DWARF GRADUS

The tall, extra early, Gradus Pea, with its large telephone-like pods and its exquisite flavored peas is one of the most popular of all. In Laxtonian we have a dwarf type of the Gradus with the same large pods—almost the same in season and, moreover, requiring no supports—and the same superlative quality peas. Laxtonian marked the beginning of a new class of garden peas—Giant Podded Early Dwarfs.

It ripens in season a few days later than the first earlies, and it is filled with eight to ten large and delicious peas. We were the first American firm to offer Laxtonian, and our seed has been grown in America the past few years under our direct supervision. Pkt. 15c; lb. 45c; 2 lbs. 80c; 10 lbs. \$3.50. Larger quantities at 10 lb. rate.



LAXTONIAN

Tomato, VAUGHAN'S NEW YORK

We introduced this variety last year and we are greatly pleased with its reception by our customers. A worthy sort to follow the early red sorts like Earliana and Chalk's Jewel. An old customer and friend, Mr. Vail, of Yorktown, N. Y., produced this variety after a series of experiments conducted through a period of years in crossing

various sorts. He has given us a second early red skinned, firm-fleshed tomato of high quality which is at the same time of good size and attractive appearance. Unlike some of the early sorts, the vine yields large size fruits to the end of the season.

Pkt., 10c; ½ oz., 30c; oz., 50c.

TOMATO, NAPOLEON

New Grape or Cluster

This is by far the best of the so-called "dessert" tomatoes which are eaten whole. Immensely productive, 40 to 60 of the small fruits are found fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is piquant and delicious.

Price, pkt. 15c; ½ oz. 35c.

Our Victory Garden Collections Offered on Page 11 Will Give All the Vegetables a Small Garden Can Produce

FLOWER SEED NOVELTIES

Everything associated with the buying of flower seeds is pleasant. Your first thought of a garden brings pleasure, then as you scan the catalog the happiness is made greater by the knowledge of the latent possibilities lying dormant in the soil. Perhaps you are near enough to either of our stores to pay us a visit, or else a

pleasant evening may be spent at home making out a list of requirements. Either way we will endeavor to fill your orders promptly and carefully, and we ask you to be sure and include some of our flower seed novelties. Aster Non-Lateral Branching White is particularly good, so is Poppy Eldorado and many others.

- 4001 **ANTIRRHINUM, Snapdragon, Nanum Grandiflorum, Rose Dore** ☉. A lovely new shade, a pretty self salmon rose, shaded gold Pkt., 15c
- 4002 —**Nanum Grandiflorum, The Fawn** ☉. A delightful blend of terra-cotta pink and pale yellow, soft and pleasing. Pkt. . . 10c
- 4004 —**Majus Grandiflorum, Pink Beauty** ☉. A deep rose pink self, enormous spikes of flowers, individual blooms exceptionally large, a vigorous grower. Pkt., 15c
- 4005 —**Majus Nanum, Bonfire** ☉. A lovely orange or flame color. It has the tints of firelight. Pkt. 15c
- 4006 —**Majus Nanum, Firebrand** ☉. Fiery orange scarlet flowers. Pkt. 15c
- 4007 **AQUILEGIA, Mrs. Scott Elliott's strain of Long Spurred Hybrids** 2/4. Selection made by an English fancier who does this work as a hobby and a labor of love, the profits being turned over to charity. The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colours being entirely new in the species and are the result of very many years careful hybridisation. There are no crude or jarring tints and all form a most harmonious mass of colour Pkt., 25c

- 4009 **ASTER, American Beauty** ☉. 2 1/2 ft. Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. It is the first of a new strain of late branching habit, and of robust growth. The flowers are fully double to the last and are a most lovely shade of bright carmine-rose, almost identical with the World-Famous American Beauty Rose. Each plant forms a perfect bush. Large pkt., 25c Small pkt. 10c
- 4009a **ASTER, American Beauty, Purple**. Same as above, but a beautiful rich velvety purple. Pkt., 15c

- 4010 **ASTER, Mammoth Non-Lateral Branching White** ☉. 2ft. This is without doubt the largest Aster on the market. Many of the flowers will measure four inches in diameter. The plants grow about two feet high with a low branching habit, and the flowers which are borne on non-lateral stems are full, with petals curled and incurved, making the flowers appear like a cross between an Ostrich Feather and a Giant Branching, which has a very pleasing effect. 15c; 2 pkts for 25c Pkt.
- 4011 **ASTER, Mammoth Non-Lateral Branching Blue** ☉. 2 ft. Very like the preceding except the flowers are a medium shade of blue. Pkt. 15c; 2 pkts. for 25c
- 4012 **ASTER, Heart of France** ☉. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. The flowers are large and full and with never a trace of hollow center. The plants are of branching type and very robust habit. The plants begin to bloom quite early in the season and open fully with the midseason varieties. They retain their brilliancy and luster for a longer period than almost any other color. Pkt., 25c
- 4014 **CALCEOLARIA, Cotswold Hybrid**. The colors range through a series of delightful shades from creamy white, clear lemon, yellow, and pure gold, to light and deep bronze and brown,

- while in many cases the elegant flowers are beautifully and lightly spotted with rich colors, as in the herbaceous varieties. Pkt., \$1.00
- COSMOS, ☉ New Race of Double-Crowned and Crested**. We consider this one of the best flower novelties of the year—an entirely new race of Cosmos. The plants are similar in habit to our famous strain of early-flowering Cosmos, and a fair percentage have double crowns, which give the flower a very dainty and exquisite appearance. The colors are pure white and a delightful shade of shell-pink. A large percentage come true from seed, both as to color and doubleness. The single which the strain produces are also very beautiful. See illustration.
- 4015 **Double Pink Beauty** Pkt., 15c
- 4016 **Double White Queen** Pkt., 15c
4017. **DAHLIA, Elite Mixture** ☉. We are fortunate in being able to offer this special strain of Dahlias. It is a mixture of the double Peony-flowered, double Cactus-flowered, double Decorative and double Show varieties which were all grown separately and mixed together. Dahlias bloom from seed the first year if sown early. There is a wonderful assortment in this mixture. (50 seeds.) Pkt. 25c



COSMOS—DOUBLE CROWNED AND CRESTED

- 4018 **ESCHOLTZIA Chrome Queen** ☉. Beautiful clear chrome yellow. Pkt., 15c
- 4019 **ESCHOLTZIA, The Geisha** ☉. 1 ft. A new fluted Eschscholtzia of fantastic oriental effect, the petals being prettily crimped, which adds light and shadows to the brilliant coloring—orange red outside, rich golden within. Habit of plant, bushy, compact and upright. Pkt., 15c
- 4020 **ESCHOLTZIA, Orange King** ☉. 1 ft. We have made a selection from the wild flowers of those having the finest deep rich orange color and the largest flowers. The plants also have responded to cultivation and the blossoms are larger in size than the wild sort, but of the same color. Here is the true wild Escholtzia, extra selected. 1/2 oz., 25c Pkt., 10c
- 4021 **ESCHOLTZIA, Vesuvius**. A new and absolutely distinct color in California Poppies. A brilliant wall-flower red with the same intense color inside petals as outside. A strong grower and very free flowering. This is an American novelty and of great merit. Pkt., 15c; 2 Pkts. for 25c

- 4023 **LYCHNIS Arkwrightii** (New) 2/4. A cross between L. Chalcedonica and Haageana, having the upright habit of Chalcedonica, with the flowers of Haageana, but very greatly improved. A botanical novelty of great merit, and a decided acquisition. A new herbaceous border plant, also eminently adapted for summer bedding, making a gorgeous and long-lasting display, in many new and lovely colors. One of the easiest plants to propagate. Seeds sown early in the year under glass, and grown on, make suitable plants for bedding-out, the same season; growing about 18 inches high. The succeeding year's growth attaining 24 to 30 inches, producing greater abundance of flowers, and showing its true character to perfection. Sow in spring or summer for following year's flowering. . . Pkt. 25c

SPECIAL OFFER NO. 7

One packet each Aster American Beauty, rose and purple. Dahlia Elite Mixture, Escholtzia Vesuvius, Poppy Eldorado, Zinnia. Vaughan's special mixture, Petunia Rosy Morn (regular price \$1.30) We are now offering it for \$1.00.

KEEP THE HOME FLOWERS BLOOMING and have a peace garden with vegetables and flowers.

Sweet Peas

Butterfly or

GIANT SPENCER
SWEET PEA
MRS. CUTHBERTSON



3965 VAUGHAN'S SPECIAL MIXTURE, Spencer Varieties.

In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the sorts listed but others which are new and striking in this class as well as some of the new Early Flowering or Butterfly varieties.

Price, Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 65c; lb., \$2.40

3966 Spencer Hybrids in splendid mixture.

Price, Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.60.

10 Best Sweet Peas

3996 Our collection of 10 best Spencer Sweet Peas is so well and favorably known as not to need an introduction to our friends. It is sufficient to say the same care has been taken in making this selection as in former years, and we are confident they will more than please the purchaser.

Price, One (regular size) packet of each, 10 for 50 cents, postpaid. If bought separately would cost \$1.00

We cannot make any change in varieties.

White—Constance Hinton	Bicolor—Blanche Ferry
Pink—Hercules	Salmon—Barbara
Light Blue—Margaret Madison	Purple—Royal Purple
Picotee Edged—Blue Picotee	Military Red—Fiery Cross
Light Pink—Margaret Atlee	Chocolate—Nubian

	Oz.	Pkt.
3900 Agricola. Faint lavender and blush.....	\$0 40	\$0 10
3901 America. White ground, heavily striped and flaked with bright crimson scarlet.....	25	05
3902 Asta Ohn. A soft pinkish lavender self.....	25	05
3903 Austin Frederick. A good lavender.....	50	10
3904 Barbara. Salmon orange.....	40	10
3905 Bertrand Deal, Improved. Rosy mauve..	30	10
3906 Blanche Ferry. Rose standard and wings white, suffused and tinted with light pink...	30	10
3907 Blue Jacket, new. A navy blue Spencer..	40	10
3908 Blue Picotee. White, edged violet.....	35	10
3909 Captain of the Blues. Pure purple, the margin of the petals is marbled.....	30	10
3910 Chas. Foster. Pale blush pink, flushed lavender.....	40	10
3911 Charm. Blush-shaded lavender.....	30	10
3912 Cheerful. Light apricot and mauve on cream ground.....	30	10
3913 Constance Hinton. A black-seeded white Spencer of enormous size. The young flowers generally tinted a trifle pink which turns pure white as the flower develops.....	50	10
3914 Countess Spencer. Clear pink deepening somewhat towards the edge.....	20	05
3915 Dainty. White ground, with beautiful picotee edge of rose pink.....	30	10
3916 Dobbie's Cream. Deep cream or primrose...	30	10
3917 Dobbie's Lavender Geo. Herbert.	30	10
3918 Doris Usher. Apricot and buff.....	35	10
Earl Spencer. Same as Barbara		
3919 Edith Taylor. Bright salmon rose.....	30	10
3920 Edrom Beauty. Salmon orange.....	30	10
3921 Edward Cowdy. Glowing orange scarlet.....	40	10
3922 Elfrida Pearson. Large pale pink flower, the buds and young flowers having a distinct tint of buff.....	30	10
3923 Empress Eugenie. Light gray flaked with lavender.....	35	10
3924 Evelyn Hemus. Cream, with a picotee edging of terra-cotta pink.....	25	05
3925 Fiery Cross. Intense orange scarlet.....	50	10
3926 Flora Norton. Light blue.....	30	10
3927 Florence Morse. Standard richly flushed with a beautiful distinct shade of pink; wings soft blush pink.....	25	05
3928 Florence Nightingale. A very large, finely waved bluish lavender.....	30	10
3929 George Herbert. Rose crimson, suffused with magenta and showing veins in wings.....	20	05
3930 Helen Pierce. Mottled blue and white.....	30	10
3931 Henrietta. A large duplexed cream pink.....	40	10
3932 Hercules. A rich pink flower.....	30	10
3933 Illuminator. Rich salmon pink.....	40	10
3934 Jean Ireland. Beautiful cream color edged with pink.....	50	10
3935 King Manoel. Chocolate maroon self.....	40	10
3936 King White. Produces gigantic flowers absolutely pure white.....	40	10
3937 King Edward VII. The best pure red Spencer....	30	10
3938 Loyalty. Blue striped.....	30	10
3939 Margaret Atlee. Rosy, salmon pink on a creamy buff ground.....	25	10
3940 Margaret Fife. Beautiful clear blue.....	40	10
3941 Margaret Madison. A beautiful self colored azure blue.....	30	10
3942 Marie Corelli. A bright glowing crimson, almost a self color.....	25	10
3943 Masterpiece. Clear lavender self, slightly flushed rose on standard.....	40	10

Sweet Peas

Spencer Varieties

	Oz.	Pkt.
3944 Miriam Beaver. Light apricot and buff.....	\$0 30	\$0 10
Mrs. C. W. Breadmore. Jean Ireland is better.		
3945 Mrs. Cuthbertson. Standard rose-pink, wings nearly white an improved Blanche Ferry.....	30	10
3946 Mrs. E. Cowdy. A rich deep maroon self.....	30	10
3947 Mrs. Hugh Dickson. A light salmon pink on cream ground, strong grower.....	20	05
3948 Mrs. Routzahn. Buff or apricot ground flushed and suffused with delicate pink.....	20	05
3949 Nubian. Fine chocolate color.....	25	10
3949a Old Rose. Old rose.....	40	10
3950 Othello. Of immense size, rich maroon.....	25	10
3951 Primrose. Deep primrose or creamy yellow.....	30	05
3952 R. F. Felton. Lilac standard, grey wings.....	30	10
3953 Robert Sydenham. Rich orange self.....	30	10
3954 Rosabelle. A very fine large rose-colored flower.....	30	10
3955 Royal Purple. Rich purple.....	30	10
3956 Senator. Claret and chocolate stripe on gray.....	20	10
3957 Stirling Stent. A deep salmon colored flower.....	30	10
3958 Tennant. Purplish mauve, a large, fine flower.....	25	10
3959 The Cardinal. New brilliant poppy scarlet.....	50	10
3960 The President. Glowing scarlet self.....	40	10
3961 Thomas Stevenson. Bright orange scarlet.....	25	10
3962 Vermilion Brilliant. A brilliant scarlet Spencer..	30	10
3963 Wedgewood. A lovely self blue.....	30	10

SPENCER
SWEET PEA
HERCULES



Victory

Spencer Sweet Peas

Collections

- No. 1** 1 pkt. each, **King Edward VII.** (Red), **Constance Hinton** (White), **Flora Norton** (Blue), prepaid for 20c
- No. 2** 1 pkt. each, **Vermilion Brilliant** (Red), **King White** (White), **Captain of the Blues** (Blue).....prepaid for 20c
- No. 3** Mixed Red, White and Blue...oz. 30c, pkt. 10c

Early Flowering Long Season Spencer

Early-flowering Spencer varieties bloom at least three weeks earlier than the ordinary Spencer types, so the vines are well advanced before the scorching July days arrive.

All packets contain 30 seeds

	Oz.	Pkt.
3967 Anita Wehrmann. Beautiful lavender.....	\$0 50	\$0 10
3968 Bohemian Girl. Deep pink, standard orange blush.....		10
3969 Early Asta Ohn. Identical in color and size of blossom to the late flowering Asta Ohn. A fine lavender.....		10
3970 Early Cream. Identical in color and size of blossom to Dobbie's Cream. It has immense blossoms very frilled and duplexed.....		10
3971 Early Heather Bell. The color is a rich but pleasing mauve, but after standing in water becomes a beautiful mauve lavender.....	80	10
3972 Early Helen Lewis. Very fine shade of salmon pink.....		10
3973 Early Hercules. Of the same lovely shade of pink as Countess Spencer, but larger.....	90	10
3974 Early Melody. This is a deeper shade of pink than "Early Song Bird" on white ground, closely resembling "Countess Spencer".....		10
3975 Early Morning Star. Deep orange scarlet or flame color in standard, with rich orange pink wings.....		10

	Oz.	Pkt.
3976 Early Song Bird. The flower is the same color as "Florence Morse Spencer" (pale pink) and a bit lighter than "Elfrida Pearson".....		\$0 10
3977 Early Spring Maid. Light pink on a cream ground.....		10
3978 Early Wedgewood. Identical in color and size of blossom to the late flowering Wedgewood, and is a magnificent clear blue.....		20
3979 Liberty. Bright crimson self.....		15
3980 Mrs. A. A. Skaach. Bright shell pink.....	\$0 80	10
3981 Mrs. M. Spanolin. Black-seeded white.....	80	10
3982 Mrs. William Sim. Salmon pink.....	80	10
3983 Pink and White. Blanche Ferry type, extra choice.....	80	10
3984 President Woodrow Wilson. Magenta-rose..	80	18
3985 Rose Queen. One of the best pinks; true....	1 00	15
3986 Selma Swenson. Clear light soft pink.....	80	10
3987 White Orchid. White flowers of good substance	80	10
3988 Venus. Standard white, slightly blushed pink wings.....	80	10
3989 Yarrawa. The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff with blush wings.....	80	10
3990 MIXED. Winter Flowering Spencers, many kinds.....	1/2 oz., 40c	70 10

SPECIAL OFFER: 1 Pkt. each, White Orchid, Early Wedgewood and Liberty for 30c.

FLOWER SEED NOVELTIES

4025 **NEMESIA Blue Gem.** 12 in. ☉. One of the most lovely little plants for edgings, small beds, or massing along the front of borders; the flowers are of delightful soft azure-blue. Excellent for sowing in a rose bed. No Gentian of the Alps, given the best of rock gardens, could do so much for beauty.....Pkt. 25c

4026 **NEMESIA Grandiflora Compacta, Triumph** ☉. Half-hardy annual. Nearly related to the *Linaria*; free-blooming dwarf bushes for greenhouse culture and open borders.....Pkt. 25c

4027 **PANSY, Special Mixture of Orchid Flowered Varieties.** 8 in. ☉. Including only pretty tints and combinations of cream, primrose, and pale mauve, the flowers being exquisitely frilled and veined in contrasting colors. These delicate shades should not be mixed with stronger colors, but grown separately. Pkt. 25c

4028 **PETUNIA Rosy Morn. Improved.** 12 in. ☉. The plants are bushy and compact, the medium sized flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds.....Pkt. 25c

4029 **POPPY Eldorado.** 2 ft. ☉. This poppy comes to us from one of our Californian friends, who has spent several years in perfecting this type, by rouging and selection. It is totally distinct and will prove one of the finest novelties in the line of annuals introduced in some years. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The

substance of the petals in some of the lighter shades is as delicate as China silk. Large pkt. 50c.....Pkt. 25c

4030 **POPPY Eldorado Salmon Shades.** 2 ft. ☉. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers.....Pkt. 25c

4031 **POPPY Oriental Mrs. Perry.** 2 soft shrimp pink. The seedlings show a certain rose but generally run in shades of shrimp pink and rose salmon. There are no Oriental Poppies which come absolutely true from seed.....Pkt. 25c

4034 **PRIMULA Japonica, Mrs. Scott Elliott's Strain of Hybrids.** The colors range from pure white through all shades of pink to deep crimson. The plants are extremely robust, stems carrying fine heads of bloom—frequently attaining a height of 3 feet and over, and the leaves are very large and handsome. This is certainly the brightest and most magnificent of all the various *Primulas*, and a plant of very stately growth.....Pkt. 25c

4035 **SCHIZANTHUS Grandiflorus, Garaway's Hybrids.** 2 ft. ☉. A grand strain having graceful fern-like foliage and bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. If seed is sown in February plants will bloom in summer, and if sown in May or June will make handsome subjects for the conservatory in winter.....Pkt. 25c

4036 **VERBENA Lucifer.** ☉. A new color in the mammoth type with flowers of largest size of a deep cardinal red throughout, a very effective bedder.....Pkt. 15c



PETUNIA ROSY MORN



NEW GIANT DAHLIA-FLOWERED ZINNIA

NEW DAHLIA FLOWERED ZINNIA

4038 This new strain is the result of many years' painstaking selection and hybridizing of one of our American specialists in Zinnias. Nothing equal to it has ever reached us from the European seed growers. The flowers are of very large size, their shape closely resembles those of the "Decorative" Dahlias, while many of the shades are entirely new in the Zinnia family. The plants are tall and vigorous and produce their flowers freely. We recommend this new Zinnia to all who appreciate something new, distinct and desirable in flowers.....Pkt. 25c

"VAUGHAN'S SPECIAL" MIXTURE ZINNIAS

4050. This mixture contains everything that is good, new, choice and rare in Zinnias, including the Colossal Dahlia-Flowered, Picotee, Cactus and Savoja types, and is sure to produce the most pleasing and satisfactory results. 3 Pkts. for 65c.....Pkt. 25c

**PLANT
THE BEST**

For The Vegetable Garden

**PLANT
THE BEST**

The best seeds are the cheapest. The comparatively small investment in seed, as compared with labor and other expense necessary to produce vegetables, make it unwise to plant anything but the best. Vaughan's Seed Store sells the best seeds as cheaply as they can be sold. We have proved this for 42 years.



THE SEED CROP and Values for 1919. The shortage and the resulting extremely high prices of seeds in 1917 and 1918 encouraged American planters and seedsmen to increase on vegetable and seed acreage and also to the growing of many seeds for which we formerly looked abroad. We have been far more successful than the most optimistic anticipated. As a result, with but very few exceptions,

principally cabbage, for which two years are necessary to produce seed, seedsmen have on hand adequate supplies and at reduced prices, and this in spite of many unfavorable features such as drought and hail experienced in different parts of the country last summer. The principal short items are Cabbage, Cauliflower, Herbs and Garden Peas. Always write us for prices in quantity.

Cut one year roots two years after planting; two or three year roots, year after setting. Ask for Free Cultural leaflet.

ASPARAGUS ROOTS AND SEEDS

To kill asparagus beetle, mix 10 parts flour 1 Hellebore; dust with it. Insecticides—After cutting, Arsenate of Lead or Paris Green.

EARLY GIANT ARGENTEUIL—Famous Parisian Asparagus, grows to large size, vigorous and fairly free from rust; superb flavor. Our seed is from one of the largest Asparagus plantations near Paris. **Pkt., 10c; oz., 15c, ¼ lb., 35c; lb., \$1.00.**

BONVALLET'S GIANT—The photograph below illustrates the attractiveness of this grand "grass." We think no other variety now on the market equals it. Bonvallet's Giant is equally good, grown white or green. The white grass is produced by planting deeper than for the green sort, the stalks being cut underneath as the tips show above the ground. Bonvallet's Giant is now planted by the market growers in the Middle West to the exclusion of almost all others on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Moreover, the cutting period is longer than other sorts, as stalk-crowns do not divide until quite tall. This variety is a selection made by a veteran French grower from a healthy, vigorous plant which had resisted the blight of rusts which had destroyed the balance of a large field of Argenteuil Asparagus. Our strain has been improved each year by careful selection.

Price: Pkt., 10c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; lb., \$1.50.

PALMETTO—Standard light green grass. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

COLUMBIAN MAMMOTH WHITE—Large semi-white shoots—without earthing up. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.**

BARR'S MAMMOTH—Similar to Palmetto. Does better in some soils than in others. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

CONOVER'S COLOSSAL—A large, fast growing variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

	1-Year Old			2-Year Old			3-Year Old		
	Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant	\$0.20	\$1.30	\$9.00	\$0.25	\$1.60	\$12.00	\$0.30	\$1.75	\$15.00
Barr's Mammoth	...	...	...	.20	1.30	9.00	.30	1.75	15.00
Argenteuil (Giant)	...	...	...	.20	1.30	9.00	.30	1.85	16.00
Conover's Colossal	.15	1.15	7.50	.20	1.25	8.50	.30	1.75	15.00
Columbian Mam'th	...	...	...	.20	1.25	8.50	.30	1.75	15.00
Palmetto	.15	1.15	7.50	.20	1.25	8.50	.30	1.75	15.00

If by mail add { Doz., 5c
 { 100, 35c

postage as follows: { Doz., 8c
 { 100, 50c

Roots and transplants, By express only.

Extra heavy 3 year old transplants for forcing and immediate results. Any of the above varieties, doz., 40c; 100, \$2.50; 1,000, \$20.00.

ARTICHOKE

GREEN GLOBE—Perennial, large-flowering heads, cooked like Asparagus. Matures second year; not hardy in the North. **Pkt., 15c; oz., \$1.50.**

JERUSALEM ARTICHOKE ROOTS—Best hog food known. Easily grown. Three bushels seed an acre, enough to keep 20 to 30 hogs from October to April. Cut and plant like potatoes. **Lb., 30c; 3 lbs., 75c.**

Chicago, by freight or express; **Pk., 75c; bu., \$2.00; bbl., (2¼ bu.), \$4.25.** New York: to be added to above prices. **Pk., 15c; bu., 50c; bbl., \$1.00.**

VAUGHAN'S VICTORY GARDEN COLLECTIONS

Buy One and Tell Others The success which thousands of garden beginners and small holders had the past years with these collections, bought over our counters, has prompted us to offer them here to our distant customers this year.

By taking advantage of our experience in selecting only those kinds that we know will bring results, the customer avoids the fatal mistake of choosing kinds that may be entirely unsuitable.

The Beginner will do well to read our suggestions on the inside back cover of this catalog.

Each contains a complete assortment of Vegetable Seeds for gardens of the given dimensions.

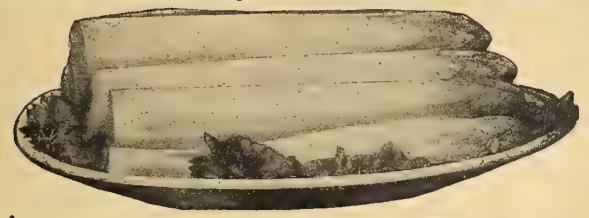
No. 1 Complete assortment for a 25 ft. Garden. Contains Beans (2 pkts.); Sweet Corn (1 pkt.); Beet (1 pkt.); Lettuce (2 pkts.); Radish (2 pkts.); Parsley (1 pkt.); Carrot (1 pkt.); Peas (1 pkt.) Swiss Chard (1 pkt.); Onion Sets (1 pkt.)

The above 13 pkts., regular size, many containing enough for successive sowings. **Prepaid \$1.00**

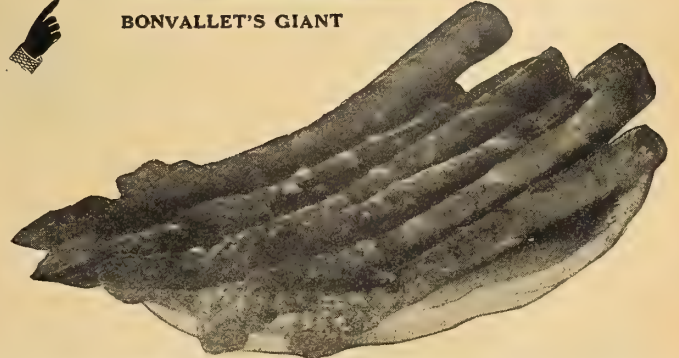
No. 2 Complete assortment for a 50 ft. Garden. Contains Beans (3 pkts.); Beet (1 pkt.); Kohlrabi (1 pkt) Carrot (1 pkt.); Peas (1 pkt.); Onion (1 pkt.); Onion Sets (1 pkt.); Cucumber (1 pkt.); Lettuce (2 pkts.); Radish (2 pkts); Swiss Chard (1 pkt.); Parsley (1 pkt.); Squash (1 pkt.); Turnip (1 pkt.); Spinach (1 pkt.); Sweet Corn (1 pkt.).

The above 20 pkts., regular size, many containing enough for successive sowings. **Prepaid \$1.50**

NOTE: These collections are made up ready for mailing so that we cannot make any changes in varieties or quantities.



BONVALLET'S GIANT



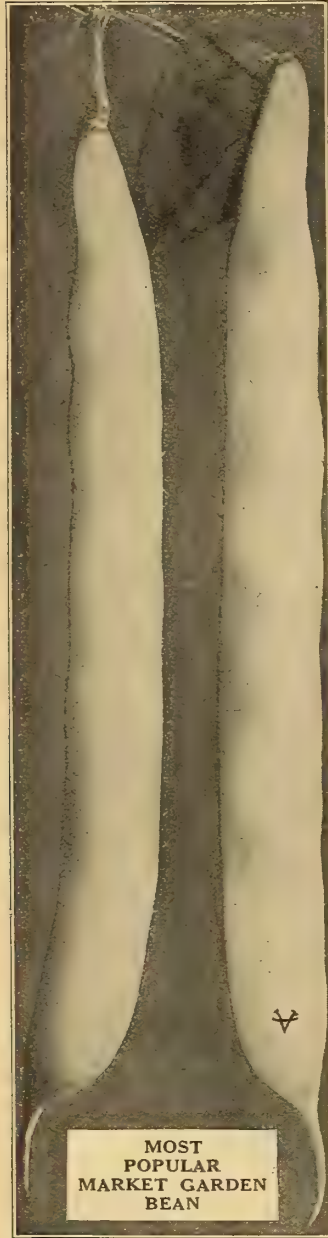
The Above Shows the Appearance of Bonvallet's Giant as Compared With a Fair Sample of an Ordinary Kind.

**PLANT
THE BEST**

Plant Beans, they are a Staple Food
and one of the best
Garden Products.

**WAX
SORTS**

VAUGHAN'S



**MOST
POPULAR
MARKET GARDEN
BEAN**



U. S. Govt. License
No. G31074.

**DAVIS KIDNEY
WAX**

DAVIS KIDNEY WAX

Vines that are vigorous and very prolific, bear handsome waxy white pods 7 inches long; the Davis Kidney Wax is the finest appearing of all early wax beans. To make this variety entirely rust proof we constantly and with great care select for seed production, such vines as have not been affected with rust, to which this sort is inclined. The beans in the pod are kidney-shaped, clear white, make splendid Navy Beans for baking; but grown for Snap Beans in the home garden they should be used while young, when they are free from strings. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50; (larger quantities at 10 lb. rate.)



ROUND POD KIDNEY WAX

Is early, of vigorous growth with heavy yielding vines; pods are long, round and entirely stringless; have fine flavor and are edible to the very tips. One of the best of the round pods. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75.



**DAVIS
KIDNEY
WAX**



**IMPROVED
GOLDEN
WAX**



OTHER SORTS

- VALENTINE WAX.** Second early, prolific; pods yellow. Price, Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.
- GOLDEN EYE WAX.** Early, large flat pods. Pkt., 10c; Price, lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.
- VIOLET FLAGEOLET WAX.** Resists rust; pods large, flat yellow. Price, Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.
- MICHIGAN WHITE WAX.** A white seeded high quality Golden Wax type. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75.
- MONSTER STRINGLESS WAX.** Crop failed.
- MAMMOTH YOSEMITE WAX.** Crop failure.



CURRIE'S GOLDEN WAX

Is early, very hardy and nearly rust-proof. The pods are long, golden yellow and are crisp, tender and fine eating—the seed is black; this is much planted. Pkt., 10c; lb., 35c; 2 lb., 70c; 10 lbs., \$3.

HODSON WAX

The greatest yielder of garden varieties. Season medium early, vines bear a mass of long straight pods, resembling the Davis Wax in shape and quality; a remarkable wax bean. Pkt. 10c; lb. 40c; 2 lbs. 80c; 10 lbs. \$3.50



CHALLENGE BLACK WAX. Early; pods tender and stringless; seed black. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle. Price, Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.

PROLIFIC BLACK WAX. Very early; prolific long pod, Price, Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

Our bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express, to equalize the difference in mailing cost, the packages contain more seed. The prices below, except for pkts., lb. and 2 lbs., do not include postage.

Bean prices will be found lower than last year. At one time there was a promise of a very large crop particularly in the West. Owing to hail and unfavorable harvest conditions the final out-turn is less than normal. A large acreage however increases the supply.

Larger quantities of all kinds supplied at 10 lb. rate. For 100 lb. lots of one or more kinds, write us.

PENCIL POD BLACK WAX



Bushy vines, very prolific, 15-inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, containing black seed of excellent quality; a splendid sort for the home garden. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50; (larger quantities at 10 lb. rate.)

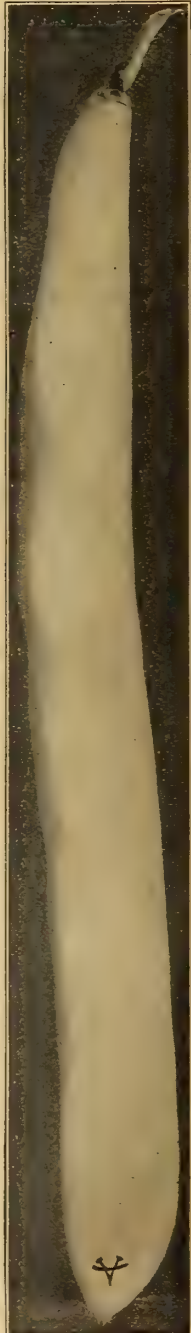
WARDWELL'S KIDNEY WAX

In western prairie soil this sort is at its best, where it gives most gratifying results; in some other sections it inclines to rust. The pods are uniformly 7 inches long, flat, brittle, entirely stringless, straight, finely shaped, a beautiful yellow color which makes them quite distinct and attractive; and they make delicious eating. A good yielder; shows merit in the home garden, and satisfaction with profit to the market grower. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75; (larger quantities at 10 lb. rate.)



IMPROVED GOLDEN WAX

A medium early and heavy cropper, on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor, make fine eating. May be sown any time to early fall, with good crop assurance. Pkt. 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.



**WARDWELL'S
WAX**

Larger quantities than 10 lbs. of all Beans supplied at 10 lb. rate.

BUSH BEANS

GREEN SORTS

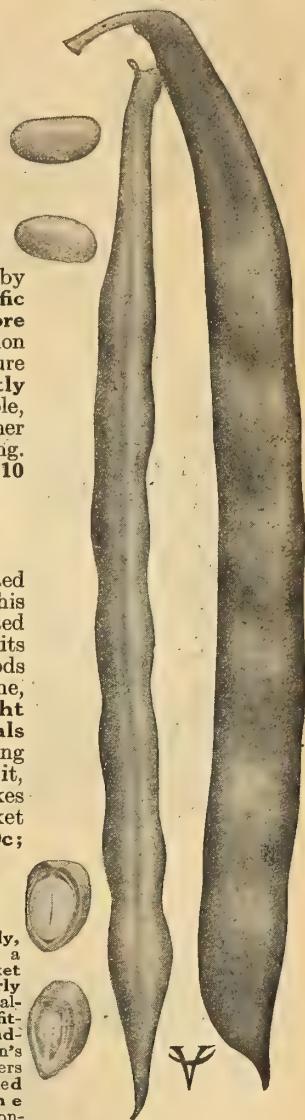
NOTICE—We offer Beans and Peas this year by the pound, instead of pints, etc.
1 lb. is a little more than 1 pint.
2 lbs. is a little more than 1 quart.

PLANT THE BEST

We call particular attention to and recommend the following varieties, all "Vaughan Specials" stock seed of which we have bred on our own farms. For the Home Garden, in wax varieties—Wardwell's Kidney Wax, Improved Golden Wax, and Round Pod Kidney Wax; In Green Pods—Stringless Green Pod, Improved Red Valentine, Bountiful and Stringless Refugee. For market varieties read the descriptions. Write for prices on 100 lb. lots and upward.



VAUGHAN'S BOUNTIFUL STRINGLESS



STRINGLESS GREEN POD

The **Stringless Green Pod Bean** is the great leader in green pods for general purposes; it is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, entirely free from strings or fiber; have a rich deep green color, are very attractive and have excellent quality, which has placed them in great favor and ever gaining popularity with market growers. This sort is quite an indispensable green-pod variety, and gives entire satisfaction wherever used. For succession plant every two weeks, until September. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50 (larger quantities at 10-lb. rate).

GIANT STRINGLESS GREEN POD

This is an immense type of "Earliest Improved Valentine" and is nearly as early. The pods have all the excellent qualities of the original with the added advantage of much greater size, which greatly improves the appearance. This is a splendid succession companion for Stringless Green Pod. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00 (larger quantities at 10-lb. rate).

LONGFELLOW—(Round Pod)

Very handsome, nearly stringless, beautiful green pods, 7 to 8 inches long, straight and round, are borne on very prolific vines. These elegant appearing pods are delicious when cooked, and are unexcelled for the home garden, they ripen uniformly (an early six-weeks), plants are 14 to 16 inches high—for market gardeners this is a most profitable sort. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50 (larger quantities at 10-lb. rate).

IMPROVED EARLY RED VALENTINE

Is very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, very well; pods are round and fleshy and eaten when young are of good quality;

seed is red spotted. The demand for a hardy, early bean of good quality, has established a reputation for this excellent sort. For market garden and home use it is an easy winner of early trade. It has always been profitable and dependable, Vaughan's Seed Store, offers Improved Red Valentine with great confidence; it always makes good.



RED VALENTINE—The Earliest Green Pod Bean



Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50

REFUGEE OR 1000 TO 1

A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50 (larger quantities at 10-lb. rate).

FULL MEASURE

A new main crop variety of bush bean—a Stringless-Round, Green-Pod Bean. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

The crop of Vaughan's Improved Arlington White Spine Cucumber is remarkable. There were twin fruits on one leaf and triple fruits on the next leaf on the same vine. They remained green even when all full size. JOS. KOSATKA, Cicero, Ill.

OTHER LEADING BEAN SORTS

The prices for packets, one and two pound lots, include postage. For postage rates on larger lots see inside front cover.

Any of the following, except where noted, per pkt., 10c.

EXTRA EARLY REFUGEE, similar to the Refugee; two weeks earlier. Lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.

ENGLISH BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class. Lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00.

DWARF HORTICULTURAL. Late heavy yielding. Flat yellow pods spotted with red. Lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75.

EARLY MOHAWK. Productive, long flat pods. Early, rather stringy. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

EARLY ROUND POD. Six weeks. Early sort for market. Good yielder. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

EARLY YELLOW SIX WEEKS. Similar to round sort with flat pods. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

IMPROVED NAVY. Fine field sort. Lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00. Write for 100 lb. prices. We meet market.

WHITE KIDNEY. Shell beans. Lb. 30c; 2 lbs. 60c; 10 lbs. \$2.50.

RED KIDNEY. Lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00.

WHITE MARROW. Good shell bean. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

Larger quantities than 10 lbs. of All Beans supplied at 10-lb. rate. Write for prices on 100 lbs. and up.

STRINGLESS GREEN POD

PLANT THE BEST

Beans are priced by the lb. this year.
1 lb. is a little more than 1 pint.
2 lbs. are a little more than 1 quart.

What we Prepay,
Read
Inside Front Cover

LIMA AND

NEW WONDER BUSH LIMA



NEW WONDER BUSH LIMA

THE IDEAL BUSH LIMA

The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes **Vaughan's Strain** of this splendid sort has now come to be used in all gardens where Bush Limas are planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds. **Vaughan's New Wonder**, bred from one of the earliest bush limas, is a greatly improved sort in compactness, little tendency to make runners, and in earliness. **Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75** (larger quantities at the 10 lb. rate).

FORDHOOK BUSH LIMA BEAN

Is the old "Dreer," "Potato" or "Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast to the old sort, which was dry and mealy, this new **Fordhook** is tender, sweet and juicy; a richly palatable bush lima bean. **Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00.**

BUSH LIMA—Burpee's. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds. thick stems furnish fine support; very productive and splendid quality.

Pkt., 15c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75 (larger quantities at 10 lb. rate).

BUSH LIMA—Dreer's. Dwarf variety of Dreer's Improved Lima; does well in dry seasons; pods contain 4 to 5 beans of fine flavor; 150 to 200 pods on a single plant shows its prolific growth. **Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00**

BUSH LIMA—Henderson's. Crop reliable, very productive, compact form, free from mildew.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.

Write for prices on 100 lb. lots or larger on any kind.

IMPROVED BUSH LIMA—BURPEE'S.

This improved **Burpee's** has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. **Vaughan's** strain of this excellent sort gives the greatest satisfaction to patrons.

Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00

POLE LIMAS

EARLY LEVIATHAN

Is exceptionally valuable for early maturing habit; when frost would kill a less early sort. It equals the main crop varieties for large pods; clusters of 5 to 8 grow together and they are full of fine beans of excellent flavor. Growers familiar with "Sieberts Early" or "Jersey," will like results they can get with "Early Leviathan." **Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00** (larger quantities at 10 lb. rate).

SIEBERT'S EARLY LIMA.

Is hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00

KING OF THE GARDEN. A climber that blooms and produces to end of season. Uniform pods, 5 to 8 inches long, filled with beautiful beans of superior quality.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.



U. S. Government License No. G31074.

An ounce of beet seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

OUR KEY TEST. Is performed by means of damp blotters, and a proven sample of a similar variety of known germination. Thus the vitality of all our seeds is correctly determined and real percentage of growth ascertained.

VAUGHAN'S

CROSBY'S EGYPTIAN

The Most Popular Early Best



CROSBY'S EGYPTIAN

This is a beet famous both for shape, color and quality. **Vaughan's** strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities has secured for this variety a wide and growing popularity; based solely on merit.

Vaughan's Crosby beet is very early; has deep red color; is smooth and tender, has sweet flesh that is richly palatable.

To retain earliness it should be grown with greatest care—it is worth the attention it demands; market gardeners have proved that **Vaughan's Crosby's Egyptian** beet, is splendid for bunching, attractive in size and excellent in general appearance, a money-making combination for thrifty progressive growers.

VAUGHAN'S SELECTED STOCK. **Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.25.** By express, 5 lbs., \$10.00.

CHOICE STOCK. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35; 5 lbs. by exp., \$6.00.**

VAUGHAN'S FIRE BALL

"A READY SELLER AT GOOD PROFIT"

Always a splendid sort whether your gardening is done for profit or for pleasure. It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops permit closer planting than sorts with larger tops. **Vaughan's "Fire Ball"** is very handsome and highly satisfactory for home use.

Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.25; 5 lbs., \$10.00.

LONG SMOOTH DARK BLOOD.

Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.10.** By express, 5 lbs., \$5.00.

EDMAND'S BLOOD TURNIP.

One of the best, round, well formed, has only one tap root, flesh is deep blood red, very sweet and tender. They do not grow large and coarse, and having small tops, they can be planted close. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.** By express, 5 lbs., \$6.00.

HALFLONG BLOOD.

A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody.

Pkt., 5c, oz., 10c; ¼ lb., 35c; lb., \$1.10. By express, 5 lbs., \$5.00.

Please tell us if we may substitute in case variety ordered by you is sold out.

N. B. Read Inside Front Cover Showing What We Prepay.

POLE BEANS

Pole Beans are well worth the extra labor required in furnishing supports. They have quality, are large in size and are heavy producers.

PLANT THE BEST

CARPENTERIA POLE LIMA

HIGHEST STANDARD IN POLE LIMA QUALITY

GROW THIS ONE SURE

Many expert growers declare Vaughan's "Carpenteria" is the most "perfect Pole Lima Bean." The exceptionally fine quality of this strain is shown in the beautiful green tint, of the large, handsome shaped beans, which fill the rich colored, attractive pods. The velvety green tint of the beans remains, long after they have become dry, which proves the enduring high quality inherent with this exceptional pole lima bean. Vaughan's "Carpenteria" is as prolific as any white lima; the vines are strong and vigorous, having many stalwart runners bearing great quantities of elegant pods, each containing usually four big, full, fat, juicy beans of delicious flavor. For market-gardeners, Vaughan's "Carpenteria" Pole Lima Bean offers a big money-making opportunity. Pkt., 15c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.

FORD'S MAMMOTH. Pods grow in large clusters, and contain from 5 to 7 good beans; edible, green or dry. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3 (larger quantities at 10 lb. rate).

CHALLENGER or DREER'S IMPROVED. Thick pods, good size and flavor. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00 (larger quantities at 10 lb. rate).

LARGE LIMA. Very attractive. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00

EXTRA EARLY JERSEY LIMA. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

IDEAL POLE LIMA. Excepting only "Carpenteria," this is best for market in Central States and where main crop can mature. Pods are large, some 8 inches long. Pkt. 10c; lb. 35c; 2 lbs., 70c; lb., \$3.00.

Need Support



POLE BEANS



Need Support

Larger quantities than 10 lbs. at 10 lb. rate, for 100 lb. prices write us.

Not prepaid, 5 lbs. for \$6.00.

KENTUCKY WONDER WAX. The best pole wax bean for northern planting; it is similar in habit of growth to "Kentucky Wonder Green Pod," and bears as early, or when about as high as the average bush bean. Pods are beautiful golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating.

Pkt. 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00.

EARLY GOLDEN CLUSTER WAX. Long, stringless; fine quality; pods in clusters; pure white seeds.

Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00.

BURGER'S STRINGLESS GREEN POD. Small, white bean; good for baking; long bearing vines.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

WHITE CREASEBACK. Early; long, round, green, stringless tender pods; white beans. Pkt., 10c; lb., 35c; 10 lbs., \$3.00.

KENTUCKY WONDER OR OLD HOMESTEAD. Green pod. The old reliable Green Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddlebacked, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

DUTCH CASEKNIFE. Early, long, green, flat pods; white seeds. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

HORTICULTURAL CRANBERRY. For cool climate; early; flat green pods, white seeds; good snap or shell. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

LAZY WIFE. Good shell beans; long, thick, stringless pods. Crop very short. Pkt. 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75.

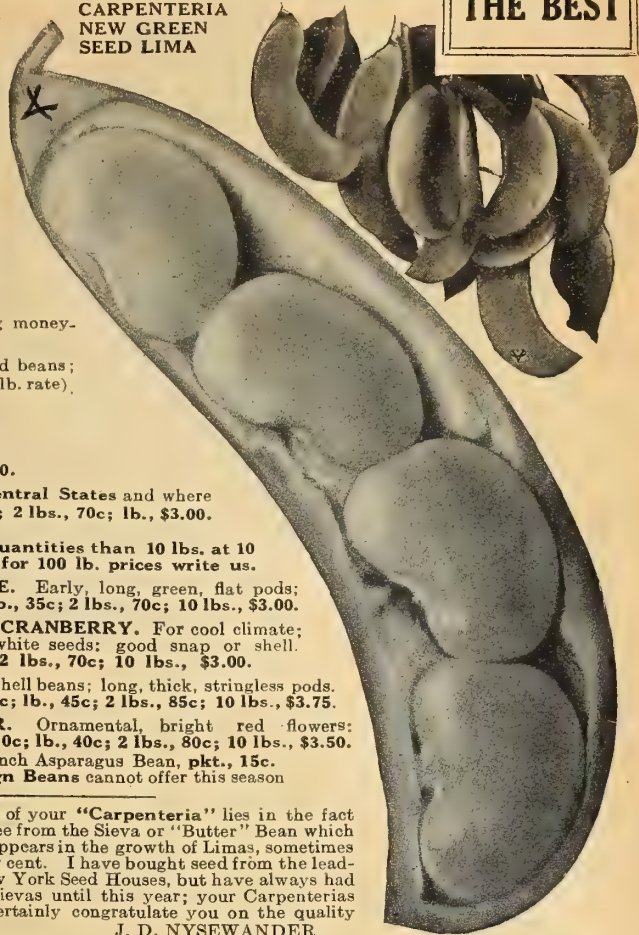
SCARLET RUNNER. Ornamental, bright red flowers; early; flat green pods, white seeds. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.

YARD LONG or French Asparagus Bean, pkt., 15c. New and Rare Foreign Beans cannot offer this season

The especial excellence of your "Carpenteria" lies in the fact that they were entirely free from the Sieva or "Butter" Bean which for some reason always appears in the growth of Limas, sometimes running as high as ten per cent. I have bought seed from the leading Philadelphia and New York Seed Houses, but have always had variable percentage of Sievas until this year; your Carpenterias "turned the trick." I certainly congratulate you on the quality of your seed.

J. D. NYSEWANDER

Jonesville, Ind.



BEETS

Our customers will find our special strains of Beet like Crosby's Egyptian (Selected Stock), Fireball, Crimson Globe and Detroit without a superior. The better grades of beets from Europe are very short and we are fortunate in having a supply of the best seed.

For the home garden you should plant for early use Crosby's Egyptian or Fireball, and for late and main crop Detroit.

CRIMSON GLOBE—SECOND EARLY MAIN CROP

This is a splendid sort; is extensively planted for second early and main crop purposes; is medium size, about 10 inches around, globe shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood red, sweet, tender and never stringy. Plant Vaughan's seeds. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35, prepaid.

DETROIT DARK RED TURNIP—MAIN CROP

Unequaled as a big cropper in all western states. Vaughan's strain of this perfect turnip-shaped beet, produces best quality, biggest crops and most profit for growers. Perfect turnip-shape, small tap root, small upright tops—fine for market bunching. Skin, dark blood red, flesh, bright red, sweet, tender and delicious. A friend in any garden for home or market.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00; by express, not prepaid, 5 lbs., \$8.75.

ARLINGTON. Early deep round form, medium size, dark blood red; does not become stringy; sweet and tender at all times.

Pkt., 5c; oz. 10c; ¼ lb., 35c; lb., \$1.10; by express, 5 lbs., \$5.00.

BASSANO. One of the earliest, flesh tender, white and rose in color, flat.

Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.10; by express, 5 lbs., \$5.00.

DEWING'S EARLY BLOOD TURNIP. Good color, smooth.

Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.10; by express, 5 lbs., \$5.00.

ECLIPSE. Roots globular, small tap root, very small color. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young.

Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.10; (exp.), 5 lbs., \$5.00.

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark rich crimson.

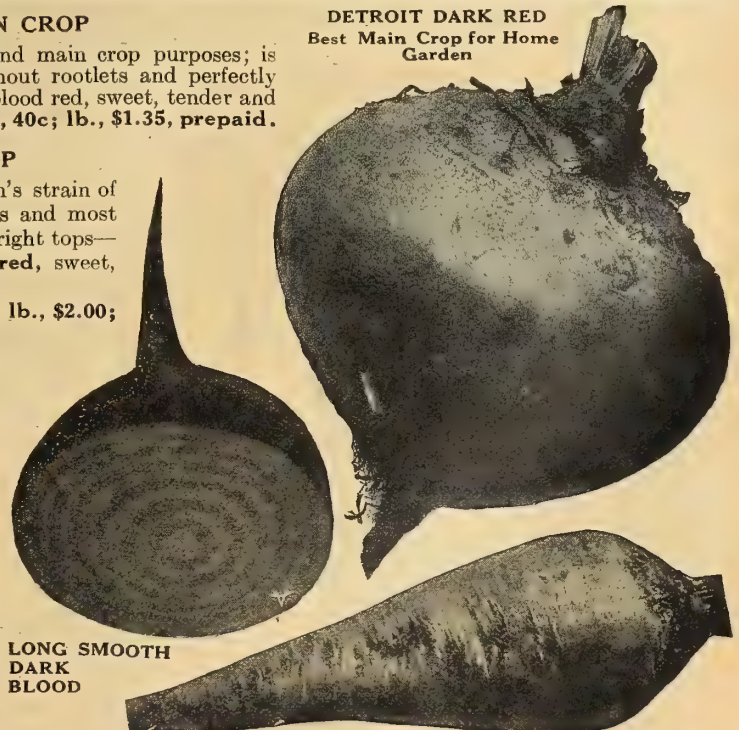
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50; by express, 5 lbs., \$6.25.

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops.

Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.10; by express, 5 lbs., \$5.00.

VAUGHAN'S CHICAGO MARKET—Sold out.

DETROIT DARK RED Best Main Crop for Home Garden



LONG SMOOTH DARK BLOOD

On Most Seeds We Prepay Into Third Zone and Further for 5 cents Per Pound. Read Carefully Inside Front Cover Page on Prepayment.

See Pages 50, 51 for Mangels, Stock Beets, (Stock Roots)

**PLANT
THE BEST**

Since the foundation of our firm 42 years ago, the house of Vaughan has been famous for cabbage seed. We know by trial comparisons that there is none better.

VAUGHAN'S



**EARLY JERSEY
WAKEFIELD**



**VAUGHAN'S
SELECTED
STOCK**

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter or summer, one of the best for general use. Best imported seed only. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50; lb., \$8.

EXTRA EARLY EXPRESS—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield—matures a short time later. Pkt., 10c; ½ oz., 50c; oz., 85c; 2 ozs. \$1.50; ¼ lb., \$2.75; lb., \$10.00.

EARLIEST ETAMPES—Not quite so hard but fully as large as Express, which it resembles. Excellent quality. Sold as "Earliest of All," "Wonderful," etc. Buy Vaughan's seed to get best quality. Pkt., 10c; ½ oz., 50c; oz., 85c; 2 ozs. \$1.50; ¼ lb., \$2.75; lb., \$10.00.

EARLY YORK—Heart-shape, small head, firm and tender, may be planted 15 to 18 inches apart. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50; lb., \$8.00.

EARLY OBLONG SORTS

Vaughan's Select Early Jersey Wakefield

This extra early, conical-shaped head cabbage is the best early, for planting in the United States. Earliness and hard heading in this variety are most important to growers.

Early Jersey Wakefield cabbage is a specialty with us, and to secure the best seed on our growing farms, we spare no expense; later by trials, tests and cleaning; we confidently offer the best Early Jersey Wakefield seed that money can buy anywhere. Successful growers everywhere in the United States plant Vaughan's seed and get results that spell prosperity.

More seed of this sort is planted in the United States than of all other varieties of the same type. The heads are hard, the outside leaves small, so that close planting is possible.

Buy Vaughan's Cabbage Seeds—plant the best.

Pkt. 15c, ½ oz. 60c, oz. \$1.10, 2 ozs. \$2.00, ¼ lb. \$3.50, lb., \$12.00

CHARLESTON WAKEFIELD

This sort matures a few days later than "Early Wakefield," with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil.

Pkt. 15c, ½ oz. 65c, oz. \$1.20, 2 ozs. \$2.25, ¼ lb. \$3.85, lb. \$13.50

**EARLY
ALL HEAD**



FLAT AND ROUND SORTS

ALL HEAD EARLY OR FAULTLESS. Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. It has few outer leaves, permitting close planting; for general purposes it is excellent; amongst kraut growers it is the most popular, because the largest possible tonnage per acre can be produced. Vaughan's seed of this sort is Long Island grown—produced by the expert who originated this variety. Pkt. 15c, ½ oz. 60c, oz. \$1.10; 2 ozs. \$2.00; ¼ lb. \$3.50; lb. \$12.00.

EARLY FLAT DUTCH. Sure solid header; weighs 10-12 pounds each head, even size, matures about same time as "Early Summer," a standard Early; it stands long without bursting; as second early it is one of the best. Pkt., 10c, ½ oz. 40c, oz. 75c, 2 ozs. \$1.25; ¼ lb. \$2.50, lb. \$8.00.

NEW EARLY FLATHEAD—(New Early Spring). Has the thick heavy leaves of "Jersey Wakefield," of which it is a product, crossed with "Succession"; it is of dwarf habit, with leaves slightly rounded; season about the same as "Wakefield." Pkt. 10c, ½ oz. 40c, oz. 75c, 2 ozs., \$1.25; ¼ lb. \$2.50, lb. \$8.00.

EARLY SPRING. Is the same type and almost as early as "Jersey Wakefield," its shape is round slightly flattened on top; it is smaller than "Early All Head," heads become very solid even before the full size of the cabbage is attained. Pkt. 10c, ½ oz. 50c, oz. 85c, ¼ lb. \$2.75, lb. \$10.00.

EARLY SUMMER (NEW YORK.) The heads are round and flattened. A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue. Pkt. 10c, ½ oz. 50c, oz. 85c, ¼ lb. \$2.50, lb. \$10.00.

**Good Cabbage
Seed is the scarcest
of all items
this year.**

SUCCESSION

A favorite with market gardeners. Heads are large, slightly flatter than "Early Summer," are two weeks later, but run more uniform; heads are solid, keep well, and have splendid quality. Color, is a beautiful light green; a grand second early.

Pkt. 10c, ½ oz. 40c, oz. 75c, ¼ lb. \$2.50, lb. \$8.00.

LATE FLAT DUTCH. Smaller than "Premium Flat Dutch," sometimes a little better keeper. Pkt. 10c, ½ oz., 40c, oz. 75c, ¼ lb. \$2.50, lb. \$8.00.

FOTTLER'S IMPROVED BRUNSWICK Comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as Second Early and for winter use; it is much planted by gardeners. The heads are flat and solid with few outer leaves—light green.

Pkt. 10c, ½ oz. 40c, oz. 75c, ¼ lb. \$2.50, lb. \$8.00.



SUCCESSION



**ALL
HEAD**

CABBAGES

I won first premium on your "All Season's" Three heads weighed 35 lbs., the largest 15 lbs.

W. B. KELLOGG, Aledo, Ill.

**PLANT
THE BEST**

FLAT AND ROUND SORTS VAUGHAN'S ALL SEASONS

This special, Vaughan's Cabbage, although really an early, is suited to every growing season; under most trying and adverse conditions it is nearly always a sure header.

Even when planted very late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "early summer" with larger head. In our trial grounds, the habit and growth of this sort have been noted as described, when grown side by side with other sorts, through many successive seasons.

Quality for eating is splendid, and is not excelled by any cabbage.

Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.75; lb., \$10.00.

GLORY OF ENKHOUSEN A PROFITABLE EARLY VARIETY

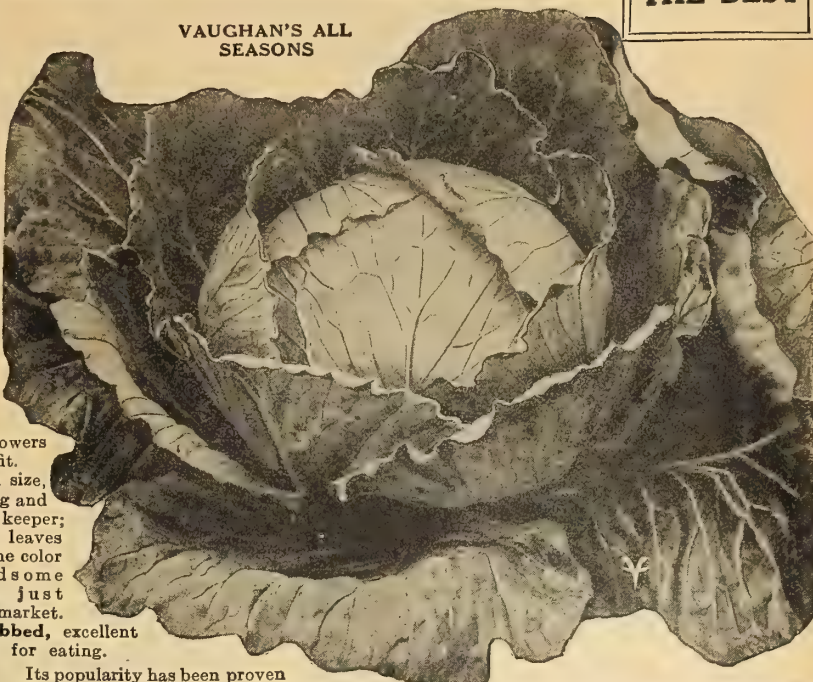
Has achieved great popularity in a few seasons, as the most important cabbage introduction in years.

For market growers, or private gardens it is very valuable, and growers who cater to high-class trade, find it a ready seller at a good profit.

Exceptional merit is the reason. It is early, globe shape, medium size,

sure heading and a splendid keeper; the outer leaves fold close, the color is a handsome dark-green, just right for market.

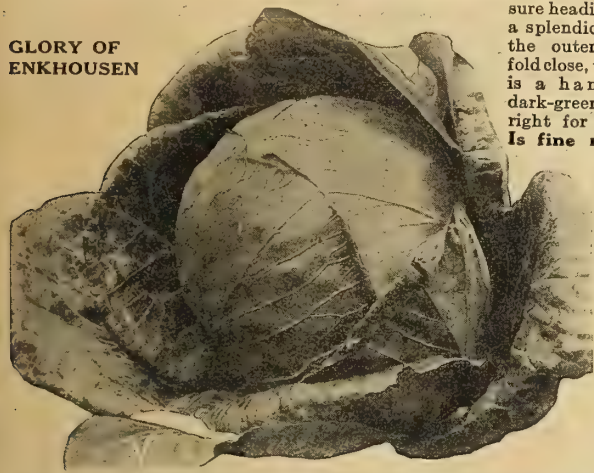
Is fine ribbed, excellent for eating.



Its popularity has been proven in many market growing centers, and has become standard and a money maker for enterprising, progressive gardeners. Plant Vaughan's seeds and prosper.

Pkt., 15c; ½ oz., 65c; oz., \$1.25; ¼ lb., \$3.90; lb. \$14.00.

GLORY OF ENKHOUSEN



PLANT COPENHAGEN MARKET, a new first early.—See description Novelty pages.

DANISH SUMMER BALLHEAD

A Second Early of superb quality; it resembles "Winter Ballhead," but is smaller and slightly flat on top; the outer leaves are inclined to be curly, the ribs are very fine in the leaves, which are light green in color, and have a delicate flavor suggestive of Savoy cabbage; the heads are hard, long keepers. This cabbage is gaining a place amongst the early sorts. No new crop seed. Germination 50 per cent only.

Pkt., 10c; oz., 25c; 2 ozs., 50c; ¼ lb., 90c; lb., \$3.00.

MAIN CROP VARIETIES

VAUGHAN'S SELECTED STOCK DANISH BALLHEAD TALL VAUGHAN'S SELECTED STOCK

From Amagar Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. The seed is grown for us there and we sell it with confidence to our customers, not only because we know it is genuine but also because we know it is the standard of highest quality and purity. Many trials have demonstrated this to be the best. This is the tall-stemmed strain, different than the short-stemmed "Hollander" or the "Dwarf Amagar," the Danish grown strains of the "Hollander." The tall-stem of our Ballhead cabbage distinguishes the strain.

Because of perfectly solid-head, unequaled keeping and shipping qualities, correct market size, not too large, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained leaves which are deliciously tender, this strain has displaced nearly all other winter varieties of cabbage. It is the most popular of all the late varieties, and its popularity rests entirely upon superior merit. Vaughan's seeds make growers prosperous.

Pkt., 15c; ½ oz., 75c; 1 oz., \$1.35; 2 ozs., \$2.50; ¼ lb., \$4.50; lb., \$16.00

VAUGHAN'S PREMIUM FLAT DUTCH

Of the Flat-head varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hot-beds. Our seed produces immense, solid heads, uniform, true, and of finest and delicious quality. Pkt., 10c; ½ oz., 40c; oz., 75c; 2 ozs., \$1.25; ¼ lb., \$2.50; lb., \$8.00.

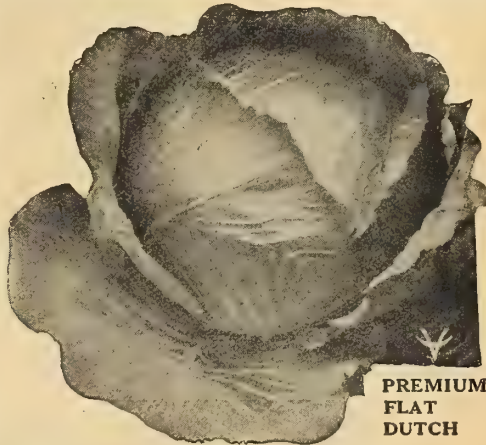
A Cabbage Plant purchased from you planted in a city back yard war garden, weighs 26 lbs. 7 oz. and is on exhibition at Unique Restaurant, 8th Ave., 34th and 35th Sts. Geo. Darling, N. Y. City.

Use Commercial Manures. Livery stables have been converted into garages and animal manures are scarce. Live stock has decreased over twelve million head in the past seventeen years. When you can't get all the manure you need, use Commercial Fertilizers. They furnish the same elements of food, but in more concentrated form; see page 141 for prices.

Rapid Growth is of immense importance in Vegetable gardening. With the aid of fertilizers the gardener may be able to harvest several crops from the same ground in a year. Try Nitrate of Soda, 1 oz. to 2 gallons of water, applied to your cabbage when a foot high; the result will surprise you.



DANISH BALLHEAD



PREMIUM FLAT DUTCH

Brighten the garden with flowers this year; Gladiolus and Cannas make splendid and continuous displays.

**PLANT
THE BEST**

In the famous cabbage growing district of Wisconsin, Central New York, Michigan, etc., Dutch Winter or Hollander is used almost entirely. IT IS AN EXCELLENT SHIPPER.

VAUGHAN'S

DUTCH WINTER or HOLLANDER

As a fine, "late spring" seller, no other sort stands near this excellent cabbage, of fine quality. The heads are medium size, averaging about 8 pounds, very solid, have a distinct, fine, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall; its exceptional keeping quality is a notable characteristic.

Pkt., 15c; ½ oz., 75c; oz., \$1.35; 2 ozs. \$2.50; ¼ lb., \$4.50; lb. \$16.00.

DWARF AMAGAR or SHORT-STEMMED DANISH BALDHEAD

This variety is almost identical with "Dutch Winter or Hollander." We import our seed direct from Amagar Island, Denmark; and we supply one-year-old, proven stock, if wanted. Pkt. 15c; ½ oz. 75c; oz. \$1.35; 2 oz. \$2.50; ¼ lb. \$4.50; lb. \$16.00.

OTHER CABBAGES



LARGE LATE AMERICAN DRUMHEAD. A selected strain in this Standard Winter Cabbage. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$8.00.

AUTUMNKING, Similar to Flat Dutch with ruffled leaves. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$8.00.

IMPROVED STONEMASON. A large solid, late Drumhead—popular in some sections. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$8.00.

LOUISVILLE DRUMHEAD. Very compact, short-stemmed, semi-flat, good quality. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$8.00.

MARBLEHEAD MAMMOTH DRUMHEAD. Late. About the largest cabbage grown. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$8.00.

THE LUPTON. A large head, but not spready, on a comparatively small plant, is the habit of this variety. It is characteristically strong of growth, and one of the best keepers; when taken out in the spring it is bright and fresh. Our seed is grown for us by the originator and will produce cabbages of the very best type. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.50.

VAUGHAN'S BRIDGEPORT

The best Large Fall Shipping Cabbage in Existence. We introduced this variety over twenty years ago and our strain has been carefully selected every year since.



The original type has been kept up and improved to a high degree of perfection; a field of them is more uniform than any other sort.

SOLID HEAD

A Money-Maker For Market Gardeners.

We offer only strains of Carrot Seed from such careful Growers whose stocks can be trusted for purity in type, color and form.

VAUGHAN'S

VAUGHAN'S SELECT DANVERS

This is a very popular and universally planted carrot. For a quarter of a century, our strain of this highly prized variety has seldom been equal in quantity to the public demand for seed. And in the years when seed has been plentiful, it has been planted almost exclusively.

While some varieties of carrots attract attention because of extreme sweetness, color or other feature, Vaughan's Select Danvers has all desirable qualities to a very marked degree of perfection.

In addition to its splendid edible qualities and fine appearance, it is a handsome cropper, the yield being greater per acre than that of any other sort; its size, shape, color, sweetness and flavor, make it ideal for marketing with profit.

Danvers Select Stock—Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

HALF LONG DANVERS—Standard Stock—roots more pointed and slightly smaller than Vaughan's Select Danvers. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25; 5 lbs. \$5.00.

VAUGHAN'S CHICAGO FORCING. A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a forcing sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart.

Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

GUERANDE OR OX HEART

Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has very fine flavor and general good quality and tenderness which makes it desirable.

Home and market growers find it the best second early, a little earlier and shorter than the Chantenay, good color.

Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.



OX HEART



VAUGHAN'S SELECT DANVERS

CABBAGES

LATE OR MAIN CROP SORTS

To those who have never grown it "Savoy quality" is a revelation. Savoy Cabbage boiled, stuffed with sausage meat, is a dish to anticipate.

PLANT THE BEST

SURE HEAD

This is a large round flathead variety, uniform in size and weighing 10 to 15 pounds each head. They are very solid and have fine quality.

Our strain is most popular with market-gardeners and large growers—it is a **sure header**, in most unfavorable seasons.

Pkt. 10c; ½ oz. 50c; oz. 85c; 2 ozs. \$1.50; ¼ lb. \$2.75; lb. \$10.00.

DANISH RED STONE HEAD. The heads are hard, round, and ball shaped, very compact and keep well into the winter. The red color is so intensely deep that a cross section shows almost no white. In all sections where Danish White Cabbages, like "Ballhead" do well, this new red will be found a valuable addition

Pkt. 15c; ½ oz. 75c; oz. \$1.35; 2 oz. \$2.50; ¼ lb. 50; lb. \$16.00.

DRUMHEAD CABBAGE

The excellence of this cabbage is well known by many gardeners, its quality is fine; and either for slicing for kraut, or for general purposes, its usefulness is not surpassed by any other sort.

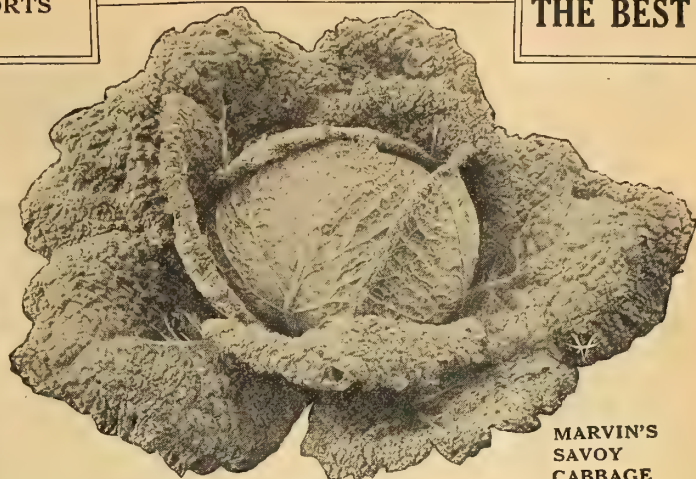
Pkt., 10c; oz., 75c; ¼ lb., \$2.50; lb., \$8.00.

Buy Vaughan's Seeds.
The Best.

FINELY BRED
STEM



A Splendid Sort
For General Use.



MARVIN'S SAVOY CABBAGE

RED CABBAGES

MAMMOTH ROCK RED—The best large Red Cabbage. A sure header of good red color to the center. Pkt. 10c; ½ oz. 50c; oz. 85c; ¼ lb. \$2.75; lb. \$10.00.

ZENITH—A very fine medium early sort. Not large, good quality and fine color. Very short crop. Pkt. 15c oz. \$1.00;

VAUGHAN'S BLACK DIAMOND—A new second season black-red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves. Pkt. 10c; ½ oz. 60c; oz. \$1.10; 2 oz. \$2.00; ¼ lb. \$3.50; lb. \$12.00.

EARLY DARK RED ERFURT. Pkt., 10c; ½ oz., 40c; oz., 75c; 2 oz., \$1.25; ¼ lb., \$2.50; lb., \$8.00.

DARK RED DUTCH (Pkt., 10c; ½ oz., 40c; oz., 75c; **RED DRUMHEAD** ¼ lb., \$2.50; lb., \$8.00.

SAVOY CABBAGES

IRON HEAD SAVOY—Best of the early sorts. Round head, large and solid. Quality excellent. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$8.00.

MARVIN'S SAVOY—A large solid head, very early. An almost sure header, most popular of this class. Pkt. 10c; ½ oz. 40c; oz. 75c; ¼ lb. \$2.50; lb. \$8.00.

EARLY ULM SAVOY—Very early sort. Pkt. 10c; oz. 75c; ¼ lb. \$2.50; lb. \$8.00.

ALL HEAD SAVOY—Conical head, fine quality. Early and solid. Sold out.
IMPROVED AMERICAN—Standard main crop sort. Pkt. 10c; ½ oz. 50c; oz. 85c; ¼ lb. \$2.75; lb. \$10.00.

CARROTS

For home use and early bunching—Chantenay, Nantes and Ox Heart are best. For general crop plant Vaughan's Select Danvers; for forcing—use Vaughan's Chicago Forcing or early Scarlet Forcing. 1 oz. sows 100 ft. row.

For stock Carrots—Mastodon. White and Orange Belgian, see pages 50 and 51.

EARLY CHANTENAY

A Splendid Bunching Sort

A main crop variety, of reputation with market gardeners; very smooth, stump root, deep red color, fine grained, sugary, sweet; not liable to crack when growing, a fine table sort, and good cropper. Buy Vaughan's seed, it is carefully selected.

Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25; 5 lbs. \$5.00.

VERY EARLY SCARLET FORCING—(French Horn). Best variety for earliest forcing. Reddish orange colored roots, nearly round. When matured they are about two inches in diameter.

Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.75; 5 lbs. \$7.50.

EARLY SHORT SCARLET—(Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange,, and fine for bunching.

Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.50; 5 lbs., \$6.00.

NANTES HALF LONG SCARLET—For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core.

Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.50; 5 lbs. \$6.00.

IMPROVED LONG ORANGE

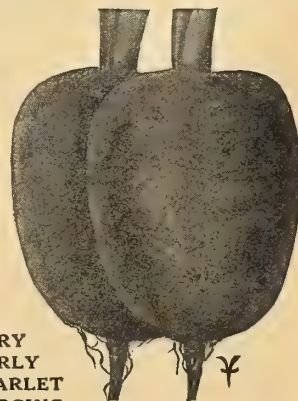
A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding.

Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25; 5 lbs. \$5.00.

CARROTS FOR STOCK—The Mastodon, Long White Belgian and Orange Belgian, etc., see pages 50 and 51.

1 lb. Carrot Seed, Vaughan's Long Orange, \$1.25, will sow one half-acre, sufficient to produce, on good soil, 12 tons of carrots equal in feeding value for horses or cattle, to 150 bushels of oats.

VERY EARLY SCARLET FORCING

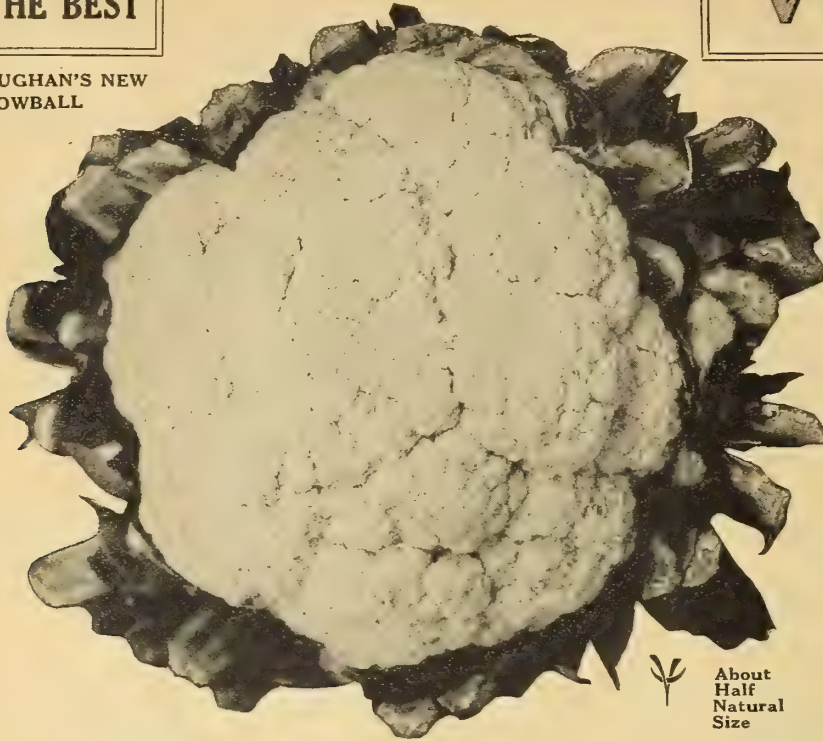


EARLY CHANTENAY

PLANT THE BEST

VAUGHAN'S NEW
SNOWBALL

Nitrate of Soda will help produce early, large, well-matured Cauliflower. See fertilizer page.



About
Half
Natural
Size

DANISH SNOWBALL. Later than Vaughan's "New Snowball"—A splendid second early; we take great care, and spare no effort to produce seed of this grand Cauliflower, that will give best results. Many of our customers (market growers) plant this sort year after year, and although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. The best bargain at this price in Cauliflower seed.

Pkt., 25c; ¼ oz., 70c; ½ oz., \$1.25; oz., \$2.25; 2 oz., \$4.25; ¼ lb., \$8.25.

Vaughan's Celery Manual. By a practical grower of 20 years' experience, revised and published by J. C. Vaughan. Price, postpaid, 25c. Mailed free, with any general order for other seeds, amounting to \$3.00, when asked for in order.

GOLDEN SELF-BLANCHING

VAUGHAN'S SELECTED STOCK

The choicest sort of delicious celery; it excels all other yellow varieties. Dwarfed, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tender crispness, delicious flavor and absence of strings, make it a most delightful table necessity. It is by far the most planted, most desired and used of all high class celery. When you purchase Vaughan's Seed of Golden Self-Blanching Celery, you secure the very best seed of the very best sort of celery that skilful growing and exceedingly careful selection, cleaning etc., can produce. Our selected stock is grown for us in France, by the introducers. Large growers plant this; we have been supplying it to them for years—they get satisfying results.

We also have critical, experienced growers, producing seed for us in this country from our selected stock; this we sell at a lower price and it gives complete satisfaction.

Selected Stock (French grown). Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50; lb., \$8.00.

American grown Seed. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.35; lb., \$5.00.

GIANT GOLDEN HEART

This for winter storage is the best celery. Enjoys extensive popularity and always has done so since we introduced it years ago. It has unquestioned merit in quality, in flavor, sweetness, attractiveness, and size as well as for keeping. It is a selection of the "Dwarf Golden Heart," but is larger.

Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb. 60c; lb., \$2.00.

WINTER QUEEN

An excellent winter sort with double the amount of heart of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor; ribs perfectly solid and blanch to a beautiful creamy white. This is a most valuable variety for winter and spring, excels "Perfection Heartwell" as a late winter keeper, and is much thicker, stouter and heavier. As a late celery it is worthy of first place in your garden for it is exceptional for long keeping quality—try it and it will be a favorite variety with you. A money-maker for the market grower.

Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.50.

VAUGHAN'S

VAUGHAN'S NEW SNOWBALL

For early out-door planting and forcing Vaughan's "New Snowball" Cauliflower is a strain of exceptional merit and value. In size, compactness and color it is ideal for market; a well grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. Its habit is dwarf in growth, with great compactness and very early heading—earlier than any other sort; being dwarf and compact means economy of space when forced in the hot-bed. For wintering over to the early spring, for forcing during winter and early spring, and for early spring out-door planting, Vaughan's Snowball Cauliflower is a peerless success. This strain is also extensively planted for late summer and fall market. We therefore commend this cauliflower, with the assurance that it will give satisfaction to those who have not yet tried it as it has to the many who have, amongst whom are hundreds of the most critical market gardeners, who pronounce it the greatest cauliflower success for general use:—plant the best.

Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.50; oz., \$2.75; ¼ lb., \$10.50.

SPECIAL ERFURT GROWN. VERY DWARF FORCING. This is a world-famous first forcing strain. We have a little seed carried over from last season and still of good germination. This we offer in limited quantities only.

Pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.00; oz., \$5.00.

VAUGHAN'S EARLIEST DWARF ERFURT. Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Many planters who grow Cauliflower extensively, plant this and Vaughan's Snowball, two varieties that mature in succession.

Pkt., 25c; ¼ oz., 70c; ½ oz., \$1.25; oz., \$2.25; 2 oz., \$4.25; ¼ lb., \$8.25; lb., \$32.00.

VAUGHAN'S

CHICAGO GIANT SELF-BLANCHING

A first early celery introduced by Vaughan's Seed Store. A sort that can be put on the market ahead of any other variety. It is an Extra Early White variety; can be sown in February and marketed July 1st, a time of year

when fine celery is a table luxury. The whitest early celery, and very sweet, crisp, tender, brittle, with a delicious flavor, giving zest to every bite. It is extremely vigorous in growth, to the extent that its tendency is to throw out a small percentage of off plants. We spare no expense to keep it uniform. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 55c; ¼ lb., 90c; lb., \$3.50.



GOLDEN SELF-BLANCHING

VEGETABLE NOMENCLATURE

Multiplicity of names in the list of Vegetable Seeds carried by the different Seedsmen causes a great deal of confusion to the amateur and market gardener planters. Vaughan's Seed Store has been and is conducting trials on its own farms and is in consultation with growers and other seedsmen with the object of getting rid of all duplicates.

Rapid Growth is Desirable. Vegetables that are hastened in their growth by the use of fertilizers are usually crisp, succulent and palatable. Slow growth tends to cause a bitter flavor in lettuce, a sharp flavor in onion and a pungent taste in the radish. Rapid growing vegetables usually get the highest market prices.

A wagon load of your Danish Ballhead brought me \$60.

C. R. MILLAR, Manistique, Mich.

CAULIFLOWER

We pride ourselves on the germination of our Cauliflower seed. We reclean and resift, selling high-growing, plump seed.

**PLANT
THE BEST**

DRY WEATHER CAULIFLOWER

This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. Where the more delicately bred varieties would succumb to unfavorable, warm weather conditions, this sort is very desirable; and no large acreage should be planted without giving a place to this. It is a very sure-header, heads larger than Snowball, and is snow-white and second early. **Our seed is grown by the originator in Denmark. Plant the best. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.50; oz., \$2.75; ¼ lb., \$10.50.**

EARLIEST OF ALL

This is a Danish forcing strain of "Danish Snowball;" a little smaller and a week to ten days earlier than Danish Snowball. It has very short leaves, and has been bred for first forcing under glass and in frames especially; very sure header. Our strain is pedigreed Danish seed. **Pkt., 30c; ¼ oz., 80c; ½ oz., \$1.60.**

LARGE LATE ALGIERS. A vigorous late maturing variety for late fall use. Large heads. **Pkt., 15c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.75.**

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort. **Pkt., 10c; ½ oz., 45c; oz., 85c; ¼ lb., \$3.00; lb., \$10.**

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. **Pkt., 15c; oz., \$1.00; ¼ lb., \$3.75.**

HALF EARLY PARIS. Slightly larger and later than above. **Pkt., 15c; oz., \$1.00; ¼ lb., \$3.75.**

LENORMAND'S SHORT STEM. Bears large white head on short stems. **Pkt., 10c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.75.**

EXTRA EARLY OR SECOND ERFURT. A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early and always certain to head, early or late. Later and larger than Earliest Erfurt.

Pkt., 20c; ¼ oz., 45c; ½ oz., 80c; oz., \$1.50; ¼ lb., \$5.25.

LARGE EARLY ERFURT. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring use. **Pkt., 15c; ½ oz., 55c; oz., \$1.00; ¼ lb., \$3.75.**



ABOUT HALF
NATURAL SIZE

CELERY



Celeriac or Turnip-rooted Celery, see page 22.

For the Home Garden, plant—Golden Self-Blanching, Vaughan's select stock for yellow. Chicago Giant Self-Blanching, White Plume and Winter Queen for white.

GIANT PASCAL

The stalks are very large and solid, crisp and of rich nutty flavor. It blanches very easily and quickly. The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that rain, with the added value of keeping quality. It is certainly one of the best varieties owing to its splendid keeping quality and market-ability.

Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 60c; lb., \$2.

STANDARD SORTS

Prices of these kinds: **Pkt., 5c; ½ oz., 15c; oz., 20c; ¼ lb., 55c; 1 lb., \$1.75, postpaid.**

PERLE LE GRAND. A popular, extra large, fine, green celery for both early and late use. A finewinter keeper.

EVANS' TRIUMPH. One of the best LATE sorts. Excellent quality and good keeper.

ROSE RIBBED GOLDEN SELF-BLANCHING. (Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue.

Pkt., 15c; ½ oz., 60c; oz., \$1.00.

PERFECTION HEARTWELL. Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

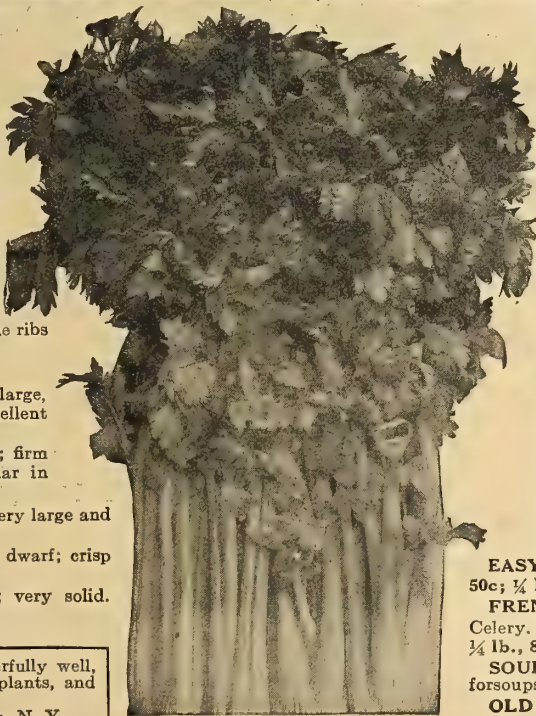
SCHUMACHER. Immense size; solid; crisp; firm golden yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

FAR SUPERIOR "MANY HEART." Late, very large and fine; popular in Philadelphia.

BOSTON MARKET. White and solid; very dwarf; crisp and tender.

GIANT WHITE SOLID. Of tall, large size; very solid.

KALAMAZOO. Half-dwarf; white and solid.



WHITE PLUME

WHITE PLUME

With gardeners throughout the northern country this sort is most widely planted and highly valued. Of the white varieties this is recognized the best. Amongst market growers it is popular because it has excellent marketable qualities, with consumers it is a favorite because of its appetizing appearance, and crisp, tender, and altogether desirable eating qualities. Its habit of growth is vigorous, stalks are uniformly white, and large sized; as a seasonable variety it is a money maker for the market gardener. We do not recommend it as a keeper, but wholly as a splendid sort in its season, for which it has the high est endorsements by the most capable professional growers and critics. For fall and early winter White Plume Celery grown from Vaughan's seed, offers to the market growers at trade-building, money-making sort.

Selected stock—**Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c; ¼ lb., 80c; lb., \$3.00.**

Standard Seed—**Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.50.**

DWARF GOLDEN HEART

Surrounded by solid, shapely stalks, is a large heart, which blanches to a beautiful yellow, after storing. This sort has great popularity in many celery-growing centers. It is a long keeping "Golden Dwarf" of established merit; having attached itself to public and professional favor to such an extent as to displace many other well-known sorts. It is so shapely and solid that it requires little trimming.

Pkt., 5c; ½ oz., 15c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

EASY BLANCHING. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25; lb., \$4.50.**

FRENCH'S SUCCESS. A fine keeping Winter White Celery. **Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c; ¼ lb., 80c; lb., \$3.00.**

SOUP CELERY or SMALLAGE. Green foliage used for soups. **Oz., 15c; ¼ lb., 40c; lb., \$1.50.**

OLD CELERY SEED. Used for flavoring. **Price, oz., 5c; ¼ lb., 20c; lb., 60c.**

Vaughan's Magnum Dulce Pepper, did wonderfully well, took 9 large peppers off quite a number of the plants, and most of them bore more.

B. F. SHERMAN, Babylon, N. Y.

PLANT THE BEST

NOTE—Witloof Chicory or French Endive furnishes a delicious salad all winter. It is easily grown.

VAUGHAN'S RARER



BRUSSELS SPROUTS

BORECOLE—See Kale, p. 23.

BRUSSELS SPROUTS
Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

IMPROVED DANISH.
Hardy and a heavy yielder. A fine variety originated and grown in Denmark.
Pkt., 10c; ½ oz., 20c; oz., 35c.

PARIS MARKET. Half dwarf, excellent yielder.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

IMPROVED DWARF.
Dwarf habit and less liable to aphid than others.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in northern latitudes, where Cauliflower does not do well.

Large White Mammoth
—Good white heads.
Pkt., 10c; ½ oz., 30c; oz., 50c.

Purple Cape—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. Pkt., 10c; ½ oz., 30c; oz., 40c.



CHICORY—Witloof

CORN SALAD

CORN SALAD. (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40.



CORN SALAD

GARDEN CRESS OR PEPPER GRASS.

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungency. Pkt., 5c; oz., 15c; ¼ lb., 35c.

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 5c; oz., 20c; ¼ lb., 50c.

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. Pkt., 20c; ½ oz., 35c; oz., 60c.

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size.
Pkt., 15c; ½ oz., 35c; ¼ lb., \$2.25; lb., \$8.50.

I have added Gladiolus bulbs, grown for cut flowers, to my truck garden and with good profit. I have sold from 1500 dozen to 2000 dozen per year at substantial prices.

T. W. WHITE, New Jersey.

CELERIAC—Turnip Rooted Celery

This vegetable deserves much wider cultivation, it has real merit. Cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve **Celeriac**. The roots keep well in winter—recipes for preparing enclosed with seed.

NEW CELERIAC, "DELICATESS." Roots are oval, perfectly smooth no side roots—never rusts. Flesh is pure white, tender, and of general excellent quality; this kind does well on light soils. Pkt., 15c; ½ oz., 35c; oz., 60c.

EARLIEST OF ALL. Ready in June; pure white flesh, very tender. Pkt., 15c; ½ oz., 35c; oz., 60c.

LARGE SMOOTH PRAGUE. Excels in quality, size and appearance, not like common sorts, which are often crooked and have a lot of useless roots. **Large Smooth Prague Celeriac** is the main crop variety, nearly globe shape and almost twice the size of Erfurt—only a few rootlets at bottom—the American growers favorite. Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

LARGE ERFURT. A standard. Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

CHICORY, WITLOOF (FRENCH ENDIVE). A European delicacy now standard in all best hotels and restaurants in the U. S. and abroad. It is easily grown—plant in spring; parsnip-like roots grow, which are stored in sand until wanted for growing on in winter; full directions on packages.
Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

3 Roots for above 40c. post-paid (with forcing directions up to April 1st).

CHICORY, LARGE ROOTED MAGDEBURG. Roots are cut in thick slices, roasted and used as coffee; in spring, leaves make good salad. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.



CELERIAC—Giant Prague

CARDOON. Main stalks are blanched like Celery, used for salad or in soups.
Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

CHERVIL DOUBLE CURLED. Similar to Parsley, handsome for garnishing. Pkt., 10c; oz., 25c.

COLLARDS. A variety of cabbage used in Southern states. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

KOHLRABI

Sow in June or July, in rows, thin to 12 inches.

Bulbs grow above ground, are stripped and cooked like Turnips, but are much sweeter with finer flavor.

KING OF THE EARLIES. An extra choice strain of White Kohlrabi, very quick growth. Short leaves, very tender and fine flavor. Crop failure this year.

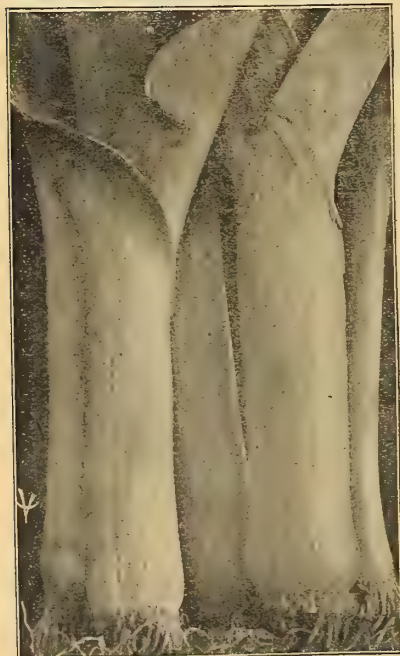
EARLY WHITE VIENNA. White and tender. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

EARLY PURPLE VIENNA.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

SHORT LEAVED EARLY ERFURT. For forcing in open ground. White flesh; very tender, short leaves. Pkt., 10c; ½ oz., 15c; oz., 30c; ¼ lb., 85c; lb., \$3.00.



KOHLRABI
White Vienna



LEEK

LARGE MUSSELBURG. Enormous broad leaves, pleasant flavor. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves.
Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

ROUEN, LARGE WINTER. Large, excellent—best of all. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

LONG MEZIERES. One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow white; fine flavor, very hardy. Unsurpassed for market garden.
Pkt., 10c; oz., 30c.

BULGARIAN WINTER. A most desirable Leek, extremely hardy, enormous size.
Pkt., 10c; oz., 35c.

VEGETABLES

Vaughan's Vegetable Cook Book
Tells how to cook and use rarer vegetables. Price, heavy paper cover, 25c, or free to every customer who buys Vegetable Seeds to the amount of \$1.00 and upwards, and asks for same.

**PLANT
THE BEST**

EGG PLANT VAUGHAN'S IMPROVED NEW YORK PURPLE

"New York" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Plant Vaughan's seed. Pkt., 10c; oz., 60c., ¼ lb., \$1.75; lb., \$7.00.

BLACK BEAUTY. Is 12 days earlier than New York; for northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. Plant Vaughan's seed. Pkt., 10c; oz., 65c; ¼ lb., \$2.75; lb., \$8.00.

BLACK PEKIN. Round shape, and almost black; flesh is white and solid, fine grain and delicious flavor. It is early and a good marketable size egg plant. Plant Vaughan's seed. Pkt., 10c; oz., 60c.

VERY EARLY DWARF PURPLE. This variety is extremely early, it resembles "New York Improved" in shape and color, but is smaller and earlier. Pkt., 10c; oz., 60c.

ENDIVE

CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August.

GREEN CURLED SUMMER. Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

GREEN CURLED WINTER. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

AUTUMN GIANT. New; truly gigantic; ideal for early use; does not stand severe frost. Pkt., 10c; oz., 25c; ¼ lb., 85c.

STAGHORN, best for early. It does not go to seed if planted in hot-bed, then transplanted outdoors. This is a great advantage for early growth and brings it into the first early market, where it is "A money maker." Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

GIANT FRINGED. Most beautiful snow white heart, fine delicate green fringe. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

MOSS CURLED. Fine sort. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

EVER WHITE CURLED. Very crisp. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

BROAD LEAVED WHITE. Slightly curled. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

GARLIC SELECTED BAVARIAN

Crop short. Write for prices.

HORSE RADISH SETS

ORDINARY HORSE RADISH. Roots produce good Radish, fit or use in one season's growth. Plant the set small end down, so that the top will be 2 inches under soil. 100, 90c; (by mail \$1.00); 500, \$4.00; 1000, \$7.50.

KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June; later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later.

DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

TALL GREEN CURLED. Pkt., 10c; oz. 25c; ¼ lb., 75c; lb., \$2.75.

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 15c; ¼ lb., 60c; lb., \$2.00.

SEA KALE

A vegetable long known but until brought into notice through recommendations of the U. S. Agricultural Department, suffered neglect. Ready for use earlier than Asparagus, and combines flavor of that grass and Celery. Its blanched stalks are cooked like Asparagus or the leaves may be used as greens. Sea Kale comes usually

from seed, but can be grown from off-sets or root cuttings. The long tap root requires rich deep soil. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year, though some reports give earlier results; as soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. Pkg., 15c; 1-2 oz., 30c; oz., 60c; 1-4 lb., \$1.75.

Your Central Market forcing Lettuce was grown here with May King and Early Dumont varieties in hot-beds this spring. Your Central Market formed solid crisp heads fit to cut ten days ahead of the other varieties.

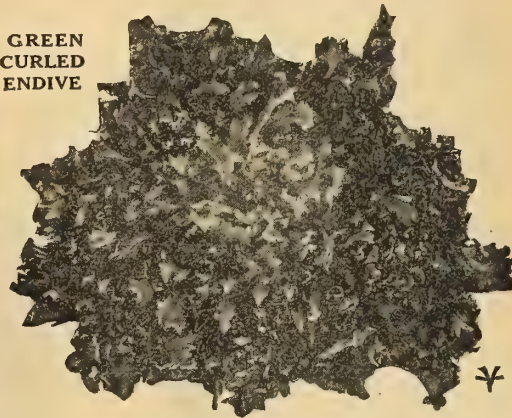
Est. of H. McTombly, Convent, N. J. Yours very truly R. TYSON, Supt.



BLACK BEAUTY—An Early variety, suited for northern planting



**GREEN
CURLED
ENDIVE**



BOHEMIAN HORSE RADISH OR MALINER KREN. Earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. Sets of Roots, per doz., 25c, postpaid; by express, 50 for 65c; 100 for \$1.25; 1000, for \$10.00.

I purchased Gladiolus, Nasturtiums and Sweet Peas from you and they gave splendid satisfaction. I. I. Vanartsdalen. Doylestown, Pa.

Of all seeds I have purchased in my life, yours come up the best.

L. A. Harris, Henderson, Tenn.



**VAUGHAN'S
MAMMOTH
RHUBARB**

RHUBARB

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it.

Seed Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LINNAEUS. Seed, pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

CHICAGO GIANT. This dwarf Rhubarb is bred for large stalks and small leaves. We have grown this variety for years, and find it A1.

Seed Crop a failure. Roots, good sized clumps, by express, 50c each.

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following season; clumps each 15c; doz., \$1.50. Large clumps, by express, 25c to \$1.00.

See inside front cover page, explaining free delivery of our seeds, including Third Postal Zone, and for 5 cents per pound extra to all zones.

**PLANT
THE BEST**

WEBSTER CITY, Iowa.
Bantam Evergreen Sweet Corn is all you
claim and more. C. D. CARPENTER.
MERLE BEACH, Mich.
We have used your Bantam Evergreen
Seed Corn for two years and would not be
without it. I. M. KNAPP.

**FAMOUS
EARLIES**

VAUGHAN'S

U. S. Government
License No. G31074

FINEST TYPES OF EACH GROWN

VAUGHAN'S MAMMOTH WHITE CORY

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—**Earliness, Size, Sweetness.** Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn. The ears are as long with two to four more rows of kernels set close, so there is no loss of space in

the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is **grown and bred on our own farms.** No more careful selection can be practised than we use, and ears are dried in crates to insure high germination.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

GOLDEN BANTAM

A delicious early Sweet Corn of superlative merit. The planting of a small patch of Golden Bantam and the resulting joy and delight of eating it fresh from the garden, when sweet corn is always at its best, has made more enthusiastic and satisfied amateur horticulturalists than acres of successful gardens filled with other vegetables. A brief description for the uninitiated, if there still be such—Golden Bantam is an extra early yellow

sort about a week later in season than Cory or the first earlies. The ears are borne two to a stalk and are about six inches in length with eight rows of kernels on a cob. The golden kernels are lightly covered with a glossy skin, seemingly ready to burst. Stalks medium high and with heavy foliage. Our seed is **our own growing and the best** we are able to find.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

VAUGHAN'S BANTAM EVERGREEN

A corn of Golden Bantam *QUALITY* of the *RIGHT SIZE.* It is a product of Golden Bantam crossed with Stowell's Evergreen. It has retained the quality of the Bantam and has the more tender skin of the Evergreen. Market gardeners are at least able to sell



MAMMOTH WHITE CORY

MALAKOFF. One of the earliest real sweet corns, a week earlier than "Mammoth White Cory."
Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

EARLY IOWA. A fine sweet corn. A week earlier than "Mammoth White Cory," ears and stalks between the sizes of Mammoth White Cory and Malakoff.
Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

PEEP O' DAY. Similar to Malakoff, it is one of the earliest. Stalks about 3½ feet high bear usually two ears each, kernels white. We grow our seed in the north to insure earliness.
Pkt., 10c; lb., 25c; 2 lb., 50c.; 10 lbs., \$2.00.

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

METROPOLITAN. Popular in eastern states, seasons between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet. Ready for use between 1st and 2nd earlies.
Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

Early Cory or First of All, true lb. 2Lbs. 10Lbs.
type, red cob, good size, . . . 25c 50c \$2.00
Adam's Extra Early 20c 40c 1.50
Adam's Early 20c 40c 1.50

Any of the above, per pkt., 10c. (Larger quantities of any kinds on this page at 10-lb. rate.)

We have had the Hoodoo Melon for three years and consider it superior to all other melons.

DR. FREDERICK J. STANLEY,
Newburgh, N. Y.



GOLDEN BANTAM



EARLY CHAMPION

IMPROVED EARLY CHAMPION

Is a second early which ranks high in popular favor, it is one of the earliest large sweet corns, in season two weeks later than "Mammoth White Cory," the ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The ears are medium, often three on a stalk. Planted by many gardeners for both early and late.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rowed, grains square, very white, sweet and tender. The much prized Maine canned corn is grown from this variety.
Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

LATE MAMMOTH Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Most popular in New York market.
Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

PREMO. Early, fine Sweet Corn, medium high stalks, ears have 8 rows of good quality corn, quite hardy, may be planted early.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

(Larger quantities all kinds of Sweet Corn or other seeds at 10-lb. rate.) Write for rates on 100 pounds and upwards.

SWEET CORN MAIN CROP

Fertilize the Sweet Corn ground if you want high sugar contents. See Fertilizer Pages. Vaughan's 2-8-1 is a good one for Sweet Corn.

PLANT THE BEST

UNDER ITS OWN CONDITIONS

STOWELL'S EVERGREEN

The great standard main crop variety of Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. This sort is very productive, and the deep set white kernels of sweetness are tender and very fine, which accounts for the great popularity this standard sugar corn has attained. For the home garden, the market grower or canning factory, it is always an immense success. We have specialized in this grand sweet corn for many years, and we

say with confidence our strain is the best that money can buy. Vaughan's New England grown seed develops a larger percentage of sugar than seed grown in other sections of the United States. We quote prices here for New England grown seed, and also for seed grown in the central states. **Stowell's Evergreen (Eastern Connecticut grown). Pkt., 10c; lb., 30c; 2 lb., 55c; 10 lbs., \$2.25.** (Western grown Eastern Stock Seed).

Pkt., 10c; lb., 25c; 2 lb., 50c; 10 lbs., \$2.00.

COUNTRY GENTLEMAN

Is a late main crop variety, which should find a place with every grower for home or market. The ears, which are seven to nine inches long are borne on stalks six to seven feet high. Unlike other sorts the grain is small and rather round and crowded together on the cob, instead of forming in defined

rows. Deliciously tender and sweet, this corn is regarded by many as having the highest quality of all corns. Vaughan's strain has been especially selected for small deep kernels and high sugar contents and represents the highest bred type.

Pkt., 10c; lb., 30c; 2 lb., 55c; 10 lb., \$2.25

BEST AND SWEETEST SUGAR CORN

a merchantable sized ear of corn superior in quality to any on the market. Grown and bred in New England, the home of sweet corn, where it is pronounced the SWEETEST CORN EVER EATEN. **Pkt., 15c; lb., 35c; 2 lb., 65c; 10 lb., \$2.50.**



EARLY EVERGREEN

Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort.

Reliable seed of this well known variety is at your command in Vaughan's Seed Store.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

NARROW GRAINED EVERGREEN

A selection from the broad grained Evergreen in which the large sized cob is retained with the kernels only half as wide as the Standard Sort. The result is a much more attractive looking corn. Especially valuable to market growers and canners.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

GOLDEN CREAM (A Late Yellow)

A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman.

Pkt., 15c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50. (Larger quantities of all Sweet Corns or other seeds at 10 lb. rate.)

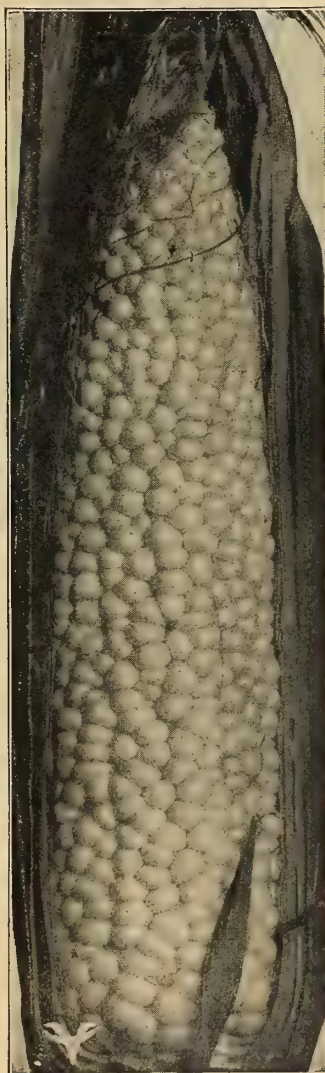
For a succession in the home garden, plant Golden Bantam, Bantam Evergreen and Golden Cream.

Vaughan's Sweet Corn Specialties

Mammoth White Cory
Golden Bantam
Early Iowa
Malakoff
Early Evergreen
Bantam Evergreen



EARLY EVERGREEN



COUNTRY GENTLEMAN



STOWELL'S EVERGREEN

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat.

Pkt., 10c; lb., 30c; 2 lb., 55c; 10 lb., \$2.25.

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

Pkt., any of the following, 10c.

	Lb.	2 Lbs.	10 Lbs.
Kendel's Early Giant.....	\$0.25	\$0.50	\$2.00
Early Mammoth.....	.25	.50	2.00
Moore's Early Concord.....	.30	.55	2.25
Old Colony.....	.25	.50	2.00
Hickox Improved.....	.25	.50	2.00
White Evergreen.....	.30	.55	2.25
Late Mammoth.....	.30	.55	2.25
Perry's Hybrid.....	.25	.50	2.00
Narrow Grained Evergreen.....	.30	.55	2.25

(Larger quantities all Sweet Corns at 10 lb. rate.)

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season; Mammoth White Cory, Early Champion, Stowell's Evergreen. Offer No. C3X. 1 pkt. each (3 kinds), 25c; prp'd.

Regarding prepayment read inside front cover page.

**PLANT
THE BEST**

Cucun berts for slicing are generally of the white spine type. For general home garden use Vaughan's Arlington White Spine in a Medium sized variety, and Davis Perfect in a long sort will be found very satisfactory.

**STANDARD
VARIETIES**

VAUGHAN'S

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

Is **early**, and a heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh **firm** but **tender**, with delicious flavor; these surpassing qualities have made it a great favorite.

In the southern country it is a universally planted sort and Vaughan's strain of **Improved Arlington White Spine** is the **Standard** for both **home** and **market** gardens. For northern markets it may be a trifle small, but for **home garden**, it has no superior and is indeed very **popular**. Vaughan's Improved Arlington White Spine cannot be too strongly commended, because its fine appearance and splendid quality gain popularity everywhere.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

BOSTON FORCING WHITE SPINE

In New York, Boston, Philadelphia and other exacting markets, Vaughan's "Boston Forcing Cucumber" is the "top notcher" of **forcing varieties** in both price getting and popular favor. Add to this the fact that the vines are remarkably strong and very productive, 25% better than forcing sorts, and you will understand why this splendid cucumber is a big money maker and a great favorite. The fruit is very even, smooth, slender, with dark green skin and whitish markings more blended than is usual, and the quality very **superior**. For hot-bed and outdoor planting in southern localities this is a money-maker for market growers. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

EARLY CYCLONE. 3 to 4 inches long, earliest of the white spines; prolific. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.**

IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.**

EMERALD. Smooth, almost spineless, dark green, which it retains well, fine for slicing. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.**

NICHOLS MEDIUM GREEN. Old popular early sort, medium size, straight, smooth, dark green, crisp, good flavor, for pickling and slicing; prolific vines. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.**

COOL AND CRISP. Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.**

ODD CUCUMBERS

Japanese Climbing.

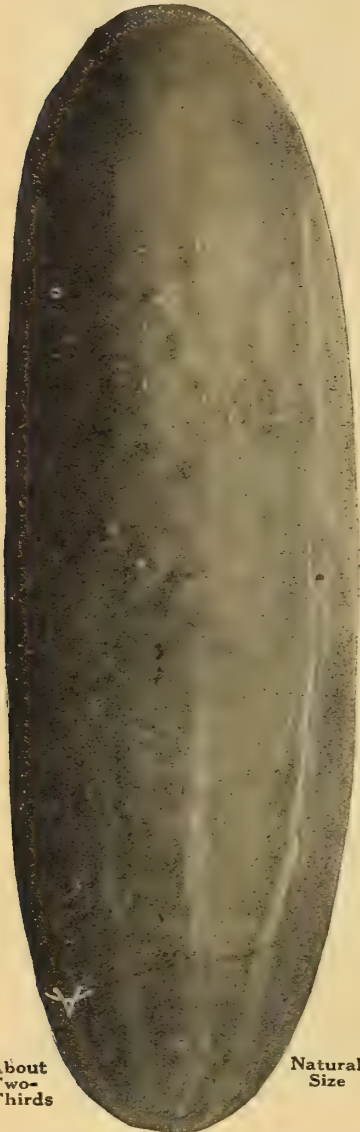
Grows quickly on poles or trellis, takes up little room in the garden. Fruit is good size, fine flavor, especially good for slicing and salads; does best in dry warm summers.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.60.

Lemon Cucumber. Not the same as the Garden Lemon (see page 33), though similar in appearance, it is a real luscious flavored cucumber, a worthy addition to the list.

Pkt., 10c; oz., 15c.

Serpent or Snake. A curious, usually much twisted cucumber. **Pkt., 10c; oz., 25c.**



About Two-Thirds

Natural Size

VAUGHAN'S ARLINGTON WHITE SPINE



About Half Natural Size

VAUGHAN'S BOSTON FORCING WHITE SPINE

WESTERFIELD'S CHICAGO PICKLE

Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market.

The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great

pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get, for our selected seed.

When ripe the fruit is medium size, pointed at both ends, has large prominent black spines; the vines set fruit when young and continue bearing longer than other varieties.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end

while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. Plant Vaughan's Seed.

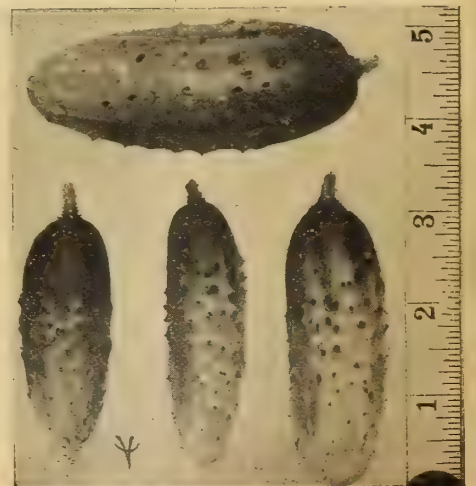
Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

THE CUMBERLAND PICKLE

This is a variety of the white spine type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sorts, being thickset with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. It is excellent for both pickles and slicing.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

PICKLING



CUCUMBERS

SUITED TO ALL LOCALITIES

VAUGHAN'S Cucumber Specialties. Vaughan's Perfect Improved Long Green, Westerfield's Chicago Pickle. Snow's Fancy Pickling.

PLANT THE BEST

IMPROVED LONG GREEN

Vaughan's strain of "Long Green," is a strain improved and developed by re-selection. The vines of our strain are very vigorous, and productive; the fruit (12-inches long) is formed almost as early as on the short sorts. As a cucumber of the "black spine" variety, for slicing and for pickles, this is one of the very best. The flesh is very firm and crisp and has a distinctive fine flavor quite its own; they make excellent pickles, and when yellow and ripe the best sweet pickles. The fine dark green color, the size, shape, crispness, and flavor, make this the best of the "black spine" varieties. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

DAVIS PERFECT

Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth, makes it the best blight resister of the long sorts. The many individual points of Vaughan's "Davis Perfect" cucumber are the result of carefully grown and re-selected seed to maintain the splendid qualities that distinguish this strain: Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50. Stock seed—pkt., 15c; 2 for 25c; ½ oz., 60c; oz., \$1.00.

EXTRA LONG WHITE SPINE OR EVERGREEN

Like Vaughan's "Davis Perfect," "Extra Long White Spine," is a great blight resister. This sort is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh, for general market and home use; a popular standard amongst the long white spines. It is very early, vigorous, and prolific of growth and far more blight proof than any of the ordinary sorts. Our high-class strain is the result of many years of painstaking trials and re-selections of the best grown seed. Select stock, pkt., 10c, oz., 20c; ¼ lb., 50c; lb., \$1.50.

ROCKYFORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color, which it keeps. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

NEW CENTURY—A fine strain of long white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color remarkably well so that altogether it is one of the best for slicing. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

FORDHOOK FAMOUS—White Spine. As long as the "Davis," slightly bent, but very handsome, twelve to seventeen inches long. Quality is superb. Color is very dark green, never turning yellow. Very vigorous. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



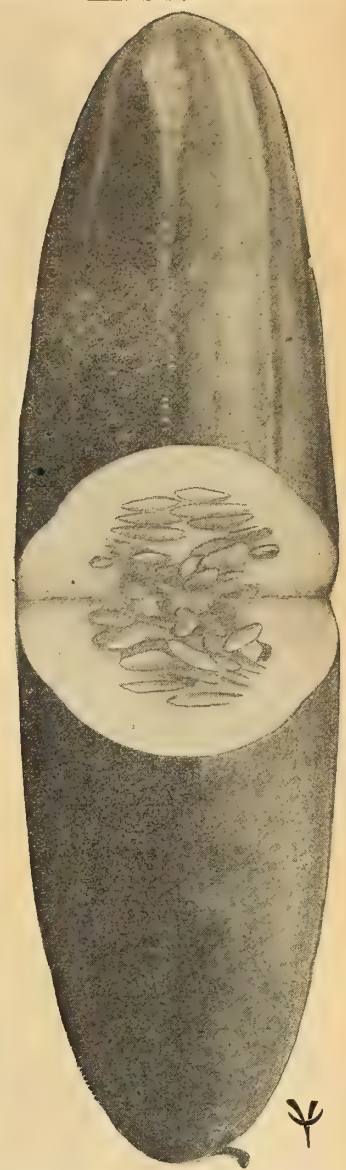
About One-Third Natural Size

EXTRA LONG WHITE SPINE



Less Than Half Natural Size

DAVIS PERFECT CUCUMBER



IMPROVED LONG GREEN

CUCUMBERS



SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle,

have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

Vaughan's Prolific Forcing. Early, shorter than others, uniform, prolific. Pkt., 25c; 3 for 65c. The Vaughan, see Novelties. Pkt., 25c. Don't miss this one.

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown. Pkt., 50c.
Prescott's Wonder. Fine flavored. Good yielder. Pkt. (50 seed's), 25c.
Carter's Model. One of the best English varieties. Large, straight, smooth. Pkt. 25c, 3 for 65c.
Noa's Forcing. An old standard. Pkt., 50c.

	Pkt.	Oz.	¼ lb.	lb.
Extra Early Green Prolific or Boston Pickling	10c	15c	45c	\$1.40
Early Cluster	10c	15c	45c	1.40
Fordhook Pickling	10c	15c	45c	1.40
Early Frame or Short Green	10c	15c	45c	1.40

We Prepay Through Third Zone on Pound Lots and Less, and For Five Cents Per Pound Extra, to All Zones in the United States.



**PLANT
THE BEST**

Sow Lettuce a little at a time and often for a continuous supply.

**LOOSE LEAF OR
CURLED SORTS**

VAUGHAN'S

VAUGHAN'S SELECTED LETTUCE STOCKS

 **GRAND RAPIDS** VAUGHAN'S SELECTED STOCK
A home garden favorite, extensively planted for market.

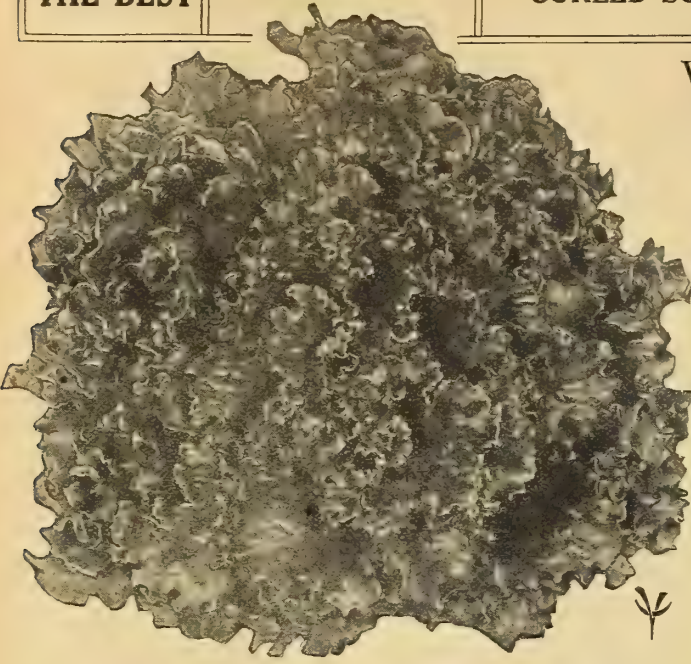
Grand Rapids Lettuce is for hot-bed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The leaves develop very quickly and their upright habit requires little room in the bed, which permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green, daintily curled, tender and crisp. The flavor is sweet and delicious. This lettuce secures many buyers, and makes profit for the market growers who plant it, and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

Vaughan's Extra Selected Stock: Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; lb., \$1.50.

Standard Stock: Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., \$1.00.

TILTON'S WHITE STAR. Large, very rapid grower, is a distinct variety of B. S. Simpson; leaves are very broad, thick, less frilled and darker than B. S. Simpson; they blanch well, good quality—slow to seed. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

PRIZEHEAD. Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones, shaded brown; very crisp, sweet and tender, splendid for home garden. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.



Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity time is 40 to 50 days. Always buy Vaughan's Selected Stock; Type, quality and germination of the seed make it really cheaper.

It is 37 years since my wife sent you her first order and was always well pleased with Vaughan's seeds and bulbs. Our home was then in Illinois. WM. F. HENN, Gardena, Calif.

BLONDE BEAUTY. Try this. It's worth while. A remarkable heat resister, excellent keeper after cutting, tender, sweet, crisp and juicy. Fine shipper. Splendid for home garden.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

UNRIVALED. A light green strain of Big Boston.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.50.

CALIFORNIA CREAM BUTTER. One of the best summer varieties. Heads good size and so solid they often have to be cut to let seed shoots appear. Beautiful appearance, crisp, rich, buttery flavor. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.



EXPRESS COS LETTUCE

COS LETTUCE

Considered by many to be the highest type of lettuce; has distinct upright habit, very crisp and sweet. Needs transplanting.

EXPRESS COS. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

PARIS WHITE COS. Grows to large size. Self-closing.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

TRIANON COS. Similar to above, but grows whiter and matures earlier. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

These need transplanting to mature properly

CABBAGE OR

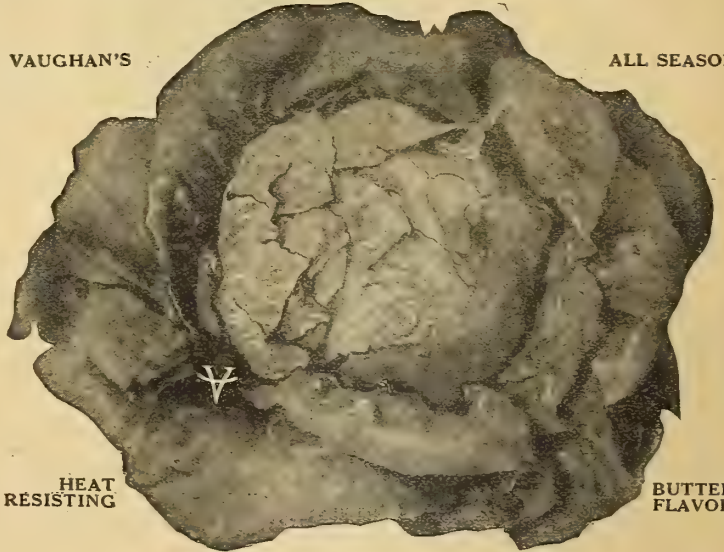
VAUGHAN'S ALL SEASONS

In 1879 we introduced this distinctive variety. It immediately leaped into popular favor, in which it has gained through all the years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutch Cabbage; leaves are grayish-green, never spotted or brown; they are broad and thick and have decided buttery flavor, embodying all in the term excellent; the inner leaves blanch beautifully. This sort is a sure header and slow to seed. Vaughan's introducer's selected stock, is the exclusive favorite of Chicago market growers.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.50.

VAUGHAN'S

ALL SEASONS



**HEAT
RESISTING**

**BUTTERY
FLAVOR**

MAY KING. A very early heading variety has long been sought—here it is. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close to medium sized head, permitting close planting in frames—the heart is a beautiful, appetizing yellow, very tender. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

ST. LOUIS BUTTER-HEAD. Extensively planted by market gardeners. Has gained great popularity since the St. Louis World's Fair in 1904; demand for it increases yearly. Large, solid head, beautiful crumpled leaves, yellow center. Vaughan's strain gives results. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

TENDER HEART. An early, tight-heading sort; green leaves, tinged on the outside reddish-brown. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

LETTUCE

LOOSE LEAF OR
CURLED SORTS

Vaughan's Lettuce Specialties
Big Boston, Select Stock.—Has the highest
reputation in southern market sections.
Grand Rapids Select.—The greenhouse
grower's standard.
Vaughan's All Seasons.—Black Seeded
Simpson, select stock.

PLANT
THE BEST

ARE STANDARD FROM COAST TO COAST BLACK SEEDED SIMPSON

Very popular with Home
Gardeners and Market Growers

(Varieties listed on top half of these two pages are loose leaf sorts, while the bottom half describes head lettuces).

Black Seeded Simpson Lettuce is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head; they are handsome green and beautifully frilled and crumpled, have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground; a high class all around lettuce, an unsurpassed heat resister, and one especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. The fine appearance and splendid quality of this lettuce, make it a success on the market, and in the home garden.

Vaughan's Selected Stock: Saved from extra selected plants.
Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; lb., \$1.50.

Standard stock: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

EARLY CURLED SILESIA: A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

EARLY CURLED SIMPSON: White seeded, similar to Early Curled Silesia—one of the best leaf lettuces.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

THE MORSE: Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

Central Market Lettuce, see Novelties, page 5.



BLACK
SEEDED SIMPSON

DENVER MARKET FORCING: Early, forms loose head of good size; leaves light green, handsomely marked, and blistered like a Savoy Cabbage; very crisp and tender, a forcing or open ground sort. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

HEAD LETTUCE

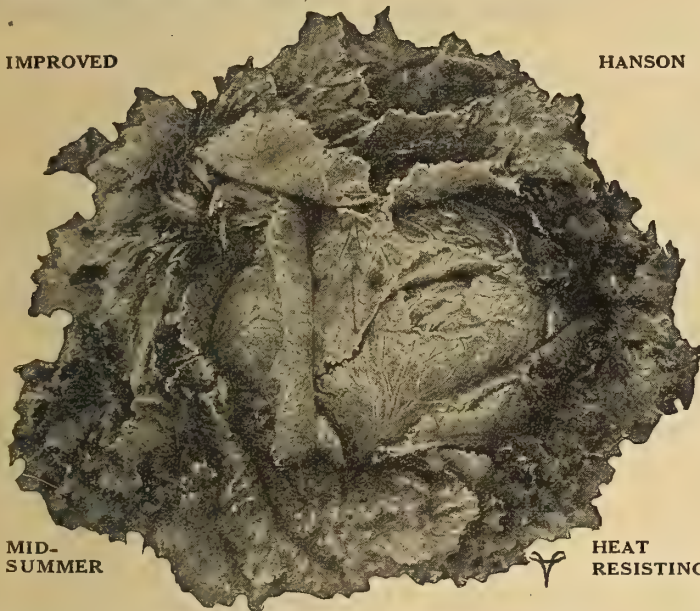
IMPROVED HANSON

On all markets—a well known, highly approved lettuce. Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. In the central states it shows exceptional merit and is standard everywhere on every market, and popular for the home garden. A sure header—always reliable.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

IMPROVED

HANSON



MID-SUMMER

HEAT
RESISTING

PERPIGNAN OR SUMMER DEFIANCE. Excels for long standing, an uncommon quality. Resists heat better than most other. Heads are large, firm and solid, seeds hoots come through by cutting plant open. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

MAXIMUM OR IMMENSITY. A wonderful heat resister; even in the hottest weather it remains long without going to seed. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center, splendid quality.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

THE DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful golden yellow, rich buttery flavor.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

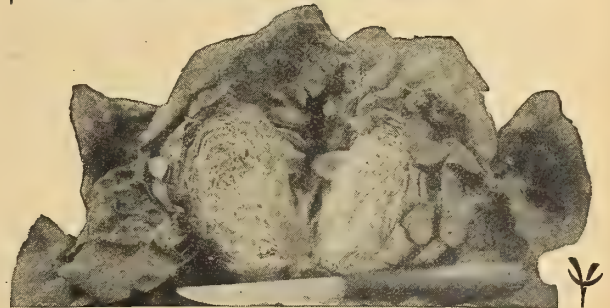
ICEBERG. Extremely hard heading, has finely indented leaves. Good for home or market garden.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

BIG BOSTON

Big Boston Vaughan's Selected Stock. With southern gardeners who ship north, many of whom plant Vaughan's seed exclusively, this is most popular; the best early large heading sort South; North, a valuable first early. Plants are vigorous, mature large heads of bright green leaves which are very tender.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.



OTHER GOOD SORTS

Brown Dutch. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.
Buttercup. Lightest green and most yellow of all sorts. Excellent quality. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

Golden Queen. A good first early.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

Giant Crystal Head. White, solid, extra quality.
Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

Giant Glacier. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.
Mammoth Black Seeded Butter. Large hard heads. A favorite everywhere. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

Mignonette. A delicious, crisp, solid, small lettuce; very hardy; stands close planting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.
New York or Wonderful. Large white leaves.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.
Salamander. Good all seasons.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.
Tennis Ball. Black Seeded. One of best standard sorts.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.
Tennis Ball. White Seeded. (Boston Market). A good forcer.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.
White Summer Cabbage. Green, very hardy, popular.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**PLANT
THE BEST**

**VAUGHAN'S
ORIGINAL
OSAGE**

Don't miss
MILWAUKEE MARKET

VAUGHAN'S

VAUGHAN'S ORIGINAL OSAGE

The production of muskmelons for profit, implies that the selection of varieties of known suitability for certain soils, is of first and prime importance. With this fact clearly in mind Vaughan's Original Osage melon is offered, it has stood many tests and proven its worth as the **best general purpose muskmelon** yet introduced. In heavy soils, where other sorts like Rocky Ford produce inferior fruits, Osage does well as a profit maker; in sandy soil it is at home, and a money maker for growers. Seldom indeed is there a poor quality Osage, it holds its **own rich flavor** much longer than other sorts, while a well grown Osage represents the **highest muskmelon quality**. We take great care to maintain our known excellent quality of seed, as the introducers of this excellent melon we pride ourselves in its standard of melon quality and the esteem in which it is held by experienced melon growers. We carefully re-select our strain each season to insure the maintenance of quality, size, shape and vine growth, we are always, therefore, able to supply reliable and uniform stock.

Selected Stock. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., \$2.50.

Standard Seed. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; lb. \$1.40.

See Novelty Pages, front of book for new type "Early Osage."



VAUGHAN'S PAUL ROSE

This melon has proven itself to be a marketing, money making success for growers. This is another melon introduction of Vaughan's Seed Store, and as such we offer it to professional melon growers as a variety of **basket packing size** that fills every requirement a first class melon should have. Paul Rose is the **result of crossing Osage and Rocky Ford**, an exceptional combination of melon qualities. The rich quality, color of flesh and fine flavor of Osage, with the deep netted skin, shape and size of Rocky Ford. This grand melon combination produces the largest percentage of high class table melons of the **basket packing size** varieties. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage, its fine flavor, rich quality, netted skin and **basket packing size** make it a winner. **Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., \$2.50. Standard Seed. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.40.**

SPECIAL SHIPPING OSAGE. This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

MONTREAL MARKET NUTMEG (Green Fleshed)

The largest of the nutmeg varieties. This melon is extensively raised near Montreal; being sown and grown in cold frames until ready to set out. Skin is dark green in color; the ribs broad and prominent; flesh thick, luscious and melting. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.**

VAUGHAN'S IMPROVED MILWAUKEE MARKET

This is a fine new melon that made its appearance in Milwaukee a few

years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and we think for a fine home melon and a market-wagon variety it has no superior. The melon is light green in color, nearly round with only slight sutures, flesh a salmon color, wonderfully sweet, with almost no stringiness. In Milwaukee this melon sells much higher than the Rocky Ford. Every home gardener who can grow musk melons should plant this for 1919.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

FORCING MELONS

Highest Table Quality: Suitable for Greenhouse Growing.

EMERALD GEM FORCING. Salmon flesh, early, uniform.

A1 SUPERB. Scarlet flesh.

BEST OF ALL. White flesh.

BLENHEIM ORANGE. Scarlet flesh.

DIAMOND JUBILEE. Green flesh.

RINGLEADER. Green flesh.

ROYAL SOVEREIGN. White flesh.

Prices of above, each, package, 25c.



MILWAUKEE MARKET

SOLID FLESH

**BASKET PACKING
SIZE**



PAUL ROSE OR PETOSKEY

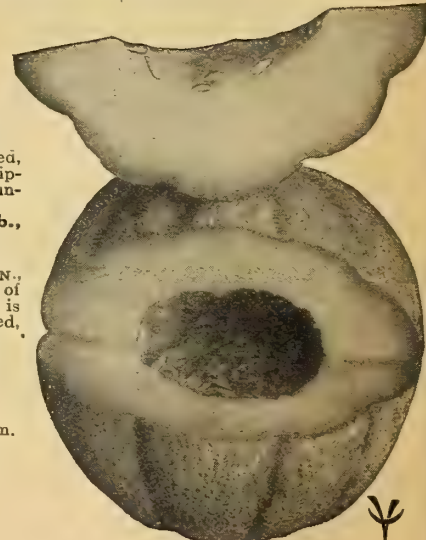
TIP TOP. Selected Stock. A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality, every melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielder. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.**

IMPROVED JENNY LIND,

**Vaughan's
Selected Stock.** A compact packer, with rind thick at ends, which are flattened and are not easily broken when crated, or basket-packed for shipment. The quality is unsurpassed for eating. **Pkt., 5c; oz., 10; ¼ lb., 35c; lb., \$1.25.**

DULUTH, MINN.,
Kindly send me 2 ozs. of your 20-day Radish. It is ahead of all others in speed, stand, flavor and size.

WALLACE R. LAWRIE.



TIP TOP

MUSKMELONS

We are the introducers of **Osage, Hoodoo, Paul Rose, and Osage Gem**—melons of quality, shape, and size for home or market use.

PLANT THE BEST

ROCKY FORD NETTED GEM

Of the green fleshed muskmelons, Rocky Ford is the recognized standard of excellence; but to secure the real high class quality possible to produce in this melon it is necessary to have the very best selected seed, which must be well grown. We offer two grades of seed. **Vaughan's Selected Stock** which is saved from specimens of the highest class marketable melons; this selected seed saved from choice specimens only, is uniform, and produces more melons of the specimen type. The **Standard Seed** is saved from melons grown for seed in the field, only the "off type" vines in the field are discarded and the balance saved for our **Standard Seed**. See picture at right, specimen grown from **Vaughan's Selected Stock**; it shows a small seed cavity and great depth or thickness of flesh. Our strain is the Gold Lined or Salmon Tint.

Vaughan's Selected Stock (from best melons only).

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

Standard Seed. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

VAUGHAN'S CHICAGO MARKET. This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.40.



NETTED GEM

ROCKY FORD

HOODOO

The Gem of Gems

HOODOO Introducer's Strain. The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. **Quality**—fine grained, not stringy and of the sweetest flavor. **HOODOO** melons from Michigan points bring highest market prices in competition with the whole United States. **Size and Shape**—just right, so it may be served cut in halves. **Flesh and Color**—deep orange, extremely thick. As a **Shipper**—uniform, like "peas in a pod." Netting is ideal, heavy and close, without a superior. **Prolific and uniform**, produces well under unfavorable conditions and withstands blight better than most varieties.



Select Stock. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

Standard Seed. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.40.

Morrill's Re-selected HOODOO (Hearts of Gold). Selected especially for shipping. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

CHAMPION MARKET. The flesh is light green and of very rich sweet flavor. Early as Netted Gem, which it resembles in shape, but is fully three times its size. Very prolific, a good shipper.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.40.

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each; market growers should remember that this is one of the best, earliest, hardest, most prolific of netted melons—and has fine flavor. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25. **Hackensack—late strain:** Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

OVAL NETTED GEM. Old style Gem which was in favor before the new Rocky Ford types, and now, in the East is often preferred to Rocky Ford seed.

Price, Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.



EXTRA EARLY HACKENSACK

ROUND GEM. A round selection of the netted Gem.

Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

MANGO MELON. OR VEGETABLE PEACH. Golden yellow, orange shaped, flesh snow white, makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Packet has cooking directions.

Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., \$2.00.

VAUGHAN'S OSAGE GEM. A real gem with salmon colored delicious flesh, and where Rocky Ford Netted Gem is produced in Colorado it is as much in favor as green fleshed variety. Introduced by us under the name "Vaughan's Osage Gem," it is now the most renowned melon of any offered on the market. It is listed in all seed catalogues under other names. The skin is heavily netted like the Rocky Ford and the luscious salmon colored flesh is of the highest quality.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

EMERALD GEM

The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but is not a good shipper, it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

EARLY CITRON, LANDRETH'S. Very early half fat sort. Flesh green, of fair quality.

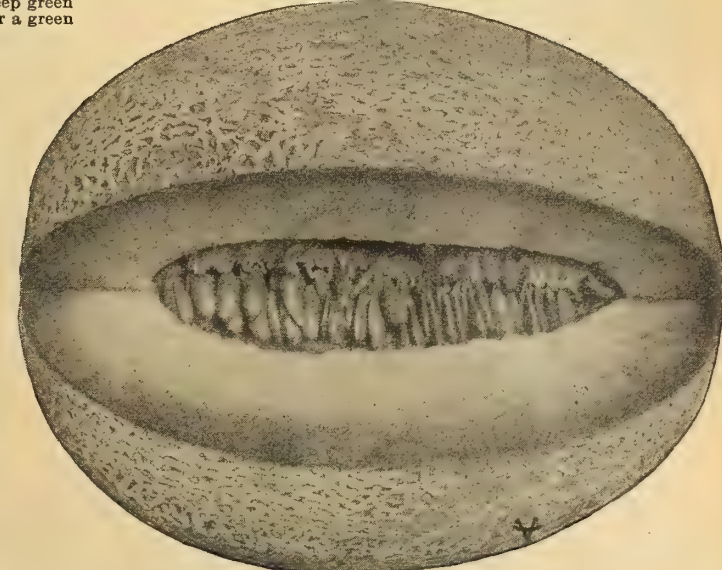
Price, Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

BANANA. Cucumber shape. Delicious odor.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

EXTRA EARLY NUTMEG. Very early; green flesh.

Price, Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.



SWEET AIR—(New). Around Washington, Baltimore and Philadelphia has become very popular, being a green fleshed melon of superior flavor and correct size. It is well suited to that region, and commands the highest market price in preference to other sorts. This melon is 5 to 6 inches across and 7 to 8 inches long. The netting is good, and crated stands long-distance shipping. The flesh is thick, color dark green, blending to light pink near the center. The vines withstand blight better than other gem sorts, and remain green until fruit is fully ripe. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

GARDEN LEMON. Fruit nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor.

Price, Pkt., 10c; 2 for 15c; oz., 25c.



THE OSAGE GEM MUSKMELON

PLANT THE BEST

We are in close touch with the latest and best methods of mushroom growing. Write us for advice.

VAUGHAN'S LIVE

VAUGHAN'S LIVE PURE CULTURE SPAWN



The cultivation of a Mushroom-bed is a highly profitable enterprise; the demand for **FIRST QUALITY MUSHROOMS** is great and growing. Hotels and high-class restaurants use enormous quantities; and in the homes of the well-to-do,

LAMBERT'S PURE CULTURE MUSHROOM SPAWN

The best in America, is made from mushrooms grown under cultivation; being absolutely fresh, it is of quicker and stronger growth than imported spawn. English Spawn must be thoroughly dried before shipment on its long journey from abroad. Our manufacturers in this country keep us supplied with regular monthly shipments

Price—Direct Bricks, inoculated direct from Pure Culture. Brick (weight 1 1/4 lbs), 30c; 5 bricks, \$1.40; 10 bricks, \$2.50; 25 bricks, \$4.75; 100 bricks, \$18.00. Not prepaid.

We offer four kinds which we consider the most satisfactory. They produce nearly, though not absolutely true to type.

Please order by number as follows:

- No. 7. **Brown** (Bohemia) a good producer of heavy mushrooms.
- No. 8. **Cream white**, a mammoth strain.
- No. 9. **White** (Alaska) the most popular market variety. Mammoth strain.

Write us for special prices on case lots, also for mushroom grower's supplies. Lambert's Booklet on Raising Mushrooms sent postpaid for 35c, or free with order for \$2.00 worth of mushroom spawn.

New Process Spore Culture, we shall be able to offer in June or July. Write for particulars.



MUSHROOM CULTURE

the use of this dainty, table delicacy has marked such increase in recent years that mushrooms are a regularly ordered article from the green grocer or fancy grocery. In the basement or any water-tight shed or out building, where the temperature

to meet the extensive business we have developed in this line—the result is our patrons secure the **best, quickest and livest** spawn on the market. The varieties we carry are pure **white, cream, cream white and brown.**

Order in advance. We book for regular monthly shipments.



Make Bed in Basement or any Out-Building—Temperature 55° to 65° Fahrenheit.

COLE'S EARLY



BEST EARLY WATER-MELON

This is an exceptional melon for fine keeping quality; put in a cool place it keeps long into the winter and retains its delicious sweetness and flavor. It is early (earlier than "Sweetheart") and prolific; the flesh is red, extremely firm, almost as hard as citron, very brittle and deliciously sweet. The skin is very light green, almost white, and its shape is round. Its splendid keeping quality and edibility will prove to be highly satisfactory to people who want a winter variety—plant Vaughan's seed—the best. Pkt., 10c; oz., 20c; 2 ozs., 30c; 1/4 lb., 50c; lb., \$1.60.

HALBERT HONEY

A variety somewhat similar to Kleckley Sweets—of much darker color. The vines are very prolific and usually bear four and five very uniform melons—quality the highest. Pkt., 5c; oz., 15c; 1/4 lb., 35c; lb., \$1.00.

For the home garden, plant Cole's Early, Kleckley Sweets.

VAUGHAN'S

COLE'S EARLY

Is a home market melon; Vaughan's "Cole's Early" is the Northern States' favorite and has enjoyed the confidence and patronage of important market growers for many years. As an early melon it is the standard of high quality; in sweet, delicious crispness, fetching flavor and melting tenderness, it is the top-notch. For the home-market it is peerless, but is not well suited for shipping because of its tenderness. It is oblong shaped, about 20 inches long, 12 inches through; skin rich, mottled green stripes, thin brittle rind, therefore not a good shipper. The flesh is appetizingly rich red, and deliciously sweet. Vaughan's "Cole's Early" is the most extensively planted watermelon seed for home-market in the Northern States, where it is the undisputed favorite. The vines are strong, vigorous and very productive.

Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50.

VAUGHAN'S BLACK DIAMOND. Runs very large, and prolific, medium early. Dark green, round or blunt oval shape, fine shipper. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 90c.

A GREAT MELON NEW MELON

There's delicious sweetness in every bite, for its eating is as splendid as its shipping quality. The flesh is rich red, crisp and tenderly melting. The quality of this melon changed the market demand from the round to the long melons. It is 24 inches long, 12 inches

NEW CHILIAN

Very desirable for the home garden. Very attractive, of medium size, nearly round, skin-deep rich green, faintly mottled and striped, stripes of lighter shade. The flesh is bright vermilion, fine grained, very firm, very sweet; a good keeper and has white seed. Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.25.

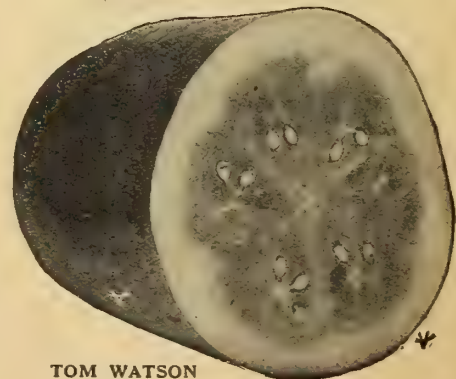
ALABAMA SWEETS

A Southern favorite, there it grows to perfection, and is a grand shipper. It is oblong in shape, dark green skin, irregularly striped, has bright red flesh of delicious flavor and sweetness. Our strain is especially fine, the seed is white.

Pkt., 5c; oz. 10c; 1/4 lb. 30c; lb. 90c; 5 lbs. \$4.00.

"Your brown spawn used at the Ohio State University resulted in a crop admired by all—the 'best ever'—round and solid, averaging about 10 to the pound, one like the other."

FRED. WINDMILLER, Columbus, O.



TOM WATSON

MUSHROOM SPAWN

**PLANT
THE BEST**

YIELDS BIG PROFIT

in cold months can be maintained at 55 to 65 degrees Fahrenheit, mushrooms will grow and flourish, and produce profitable and highly satisfactory results. We supply free of charge a leaflet—"How to Grow Mushrooms," when

requested, with orders for mushroom spawn. We supply the largest commercial growers in the U. S. with spawn. Vaughan's Seed Store is headquarters in the United States for live, highest quality Pure Culture Mushroom Spawn.

ENGLISH MUSHROOM SPAWN

Our English Mushroom Spawn manufacturer is the oldest established and most extensive grower in the world. The superiority of this over all other importations is well known by experienced mushroom growers. We are the largest importers in the U. S., receiving 8 to 12 shipments

annually; this spawn is carefully made from perfectly grown specimens. It comes in the form of pressed bricks.

Prices, (weight per brick, 1½ lbs.), brick, 25c; 2 bricks, 40c; 8 bricks, \$1.40; 25 lbs., \$3.25; 100 lbs., \$12.00; if shipped from New York, per 100 lbs., \$11.50. Special prices on ½ ton lots and upward.

VAUGHAN'S PURE CULTURE SPAWN



OKRA—OR GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package

WHITE VELVET—Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or squared-holed.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.

DWARF—Grows low but stocky and is very productive.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.

TALL OR PERKIN'S MAMMOTH—The long pods measuring 4 and 5 inches are produced in great quantities. The appearance is handsome, of green color and best quality.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.



OKRA

TALL OR PERKIN'S MAMMOTH

MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown.

Pkt., 10c; ½ oz., 20c; oz., 35c.

For culture see Vaughan's Vegetable Garden, mailed free with a \$1.00 order for Garden Seeds.

MUSTARD

Leaves useful as salad or boiled like Spinach.

CHINESE OR GIANT SOUTHERN CURLED—The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. plants will continue to yield until frosty weather. Leaves are eaten boiled like Spinach. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

IMPROVED OSTRICH PLUME—The handsomest of the Mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

WHITE—Best for general use.

Pkt., 5c; Oz., 10c; ¼ lb., 35c; lb., \$1.10.

BROWN—Stronger than above. Price, same as white.



The popularity of Pure Culture Spawn is increasing rapidly and many of the large commercial growers are now using this where they formerly planted the English. They claim it is a surer crop. 4-page booklet free with every order.

WATERMELONS

For local market, plant Kleckley Sweets; for shipping, Tom Watson.

KLECKLEY SWEETS SWEETEST OF ALL

This is a grand, old established variety of Vaughan's Special Watermelons. In the culture of this variety, the greatest care is always taken by us to retain the excellent qualities for which this melon has become famous, and properly stands as the type of every excellence for eating that a watermelon should have. It has no superior in any respect but for shipping. As a shipper it is poor, because the rind is thin and brittle. Vaughan's Kleckley Sweets—identical with "Monte Cristo"—is a fine watermelon about 20 inches long, 10-12 inches through; has rich, dark green skin, and flesh bright scarlet, the ideal of watermelon quality; is without cotton or stringiness and is absolutely delicious to eat, to the last bite. In the North it matures a few days later than "Cole's Early." Our seed has been grown from early ripening melons. For home and local market gardens, Vaughan's Kleckley Sweets is a variety to count on.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

TOM WATSON GRAND SHIPPER

through, dark mottled green rind, thin but strong—flesh can be eaten almost to the skin. A great money maker in all markets.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.



FOR MARKET

SWEETHEART—Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

STANDARD VARIETIES

Any of the following—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; postpaid.

COLORADO CITRON; RED SEEDED CITRON—For preserves.

CUBAN QUEEN—Late, large, good.

DUKE JONES—Round, large shipper.

EARLY FORDHOOK—Earliest shipper.

FLORIDA FAVORITE—Long, striped.

GREY MONARCH—Oblong, very light green.

ICEBERG—Similar to Kolb's Gem.

ICE CREAM OR PEERLESS—Early, fine quality home melon.

ICING, DARK—A very solid dark colored shipping sort.

JONES' JUMBO—An old favorite.

IMPROVED KOLB'S GEM—A standard market shipping melon.

McIVER'S WONDERFUL SWEET—Very sweet long melon.

MOUNTAIN SWEET—Oblong; thin rind.

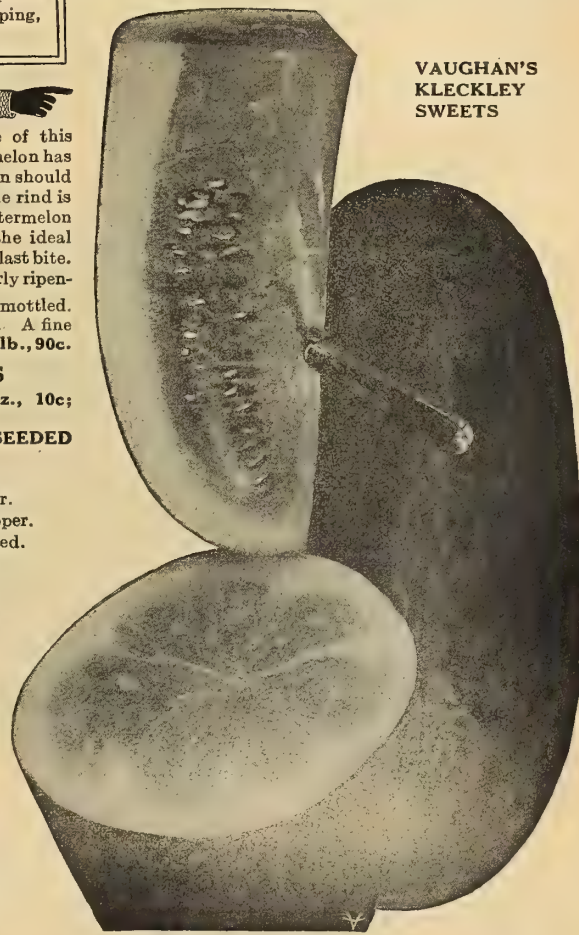
PHINNEY'S IMPROVED—An early medium sized oblong melon.

RATTLESNAKE OR GYPSY STRIPED—Oblong, striped and mottled; very sweet; popular South.

THE DIXIE—Old standard second early; good shipping variety.

TRIUMPH—Very dark; large shipper.

VAUGHAN'S
KLECKLEY
SWEETS



SWEET AS HONEY

**PLANT
THE BEST**

VAUGHAN'S ONIONS

**BEAUTIFUL
YELLOW
SKIN**

**TRUE
TYPE**



VAUGHAN'S SPECIAL YELLOW GLOBE



An early Yellow Globe introduced by us into the Chicago section last year. Slightly smaller than Southport. It produces a fine market onion. In some places early aphid did no damage to this onion last year but ruined the later crop.

Pkt., 10c; oz., 30c; 2 oz., 50c; ¼ lb. 85c; lb. \$3.00.



APPLE-SHAPED RED GLOBE

Eastern Crown Seed. Rounder than the Southport Red Globe. Very small neck; sound and solid. Color intense Dark Red. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

To attain largest size, plant in early spring in hot bed, later transplant to open ground.

This applies to all large onions.

While fancy prices have not been realized this year, still prices have averaged fair, and the experienced grower well knows that a good season is pretty certain to follow a poor one. The decline at the end of the year can be attributed more to frozen stock than to any lessened demand.

We are met with moderate seed crop and reasonable prices for 1919 continue. The demand for seeds for food production touches Onion growing immediately. European Onion Seeds have not come over this year,

the embargo against shipments of seeds of this class being general; so we cannot offer White Queen, Barletta, Mammoth Silver Skin or Rocco sorts.

The growing and storing of the Globe or market varieties of Onions interests thousands of our customers, and to this type we have given special attention, and our types are as good as can be produced. We give a summary of types we list with growing methods. Vaughan's "Ideal" type is almost globe or ball-shaped; not elongated, (see illustration). The strain which we use have been

SOUTHPORT YELLOW GLOBE Vaughan's Special

The Vaughan strain of this onion is, we believe, the most uniform on the market today. It is ball shaped and not so elongated as to make any undersized specimens seem like picklers. (See illustration.) Our eastern seed bulbs are hand sorted by ourselves and the seed grown under our direct supervision. The ideal heavy yielding, long keeping market onion. Color golden yellow. The amateur buyer of a packet or the planter of large acreage, are both equally enthusiastic over this strain. Our Chicago market gardeners, most critical growers in the United States, plant this variety almost exclusively.

Eastern Crown Seed. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.00; 5 lbs., \$14.25; 10 lbs., \$27.00.

Western Crown Seed. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.75; 5 lbs., \$13.00; 10 lbs., \$24.50.



OHIO RED GLOBE

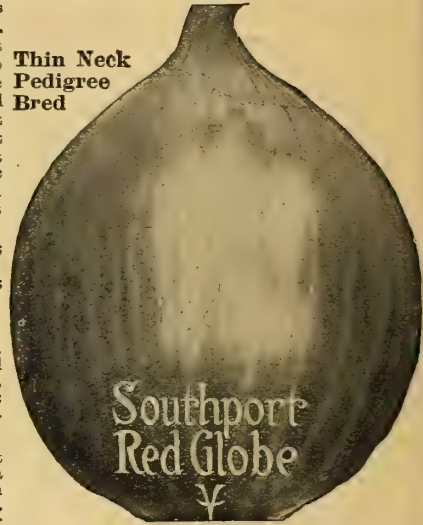
Is an onion with fine uniform Red Color. Shape resembles Ohio Yellow Globe. The seed is grown for us by the originator of this strain, an experienced onion grower in Lake County, Ohio. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50; 5 lbs., \$16.75; 10 lbs., \$32.00.

SOUTHPORT RED GLOBE

In shape this onion is similar to our Southport Yellow Globe but a little deeper. The color is a rich dark red showing its years of Eastern breeding. Western grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder.

Eastern Crown Seed. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50; 5 lbs., \$16.75; 10 lbs., \$30.20.

**Thin Neck
Pedigree
Bred**



Southport Red Globe (Western Seed). Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.00; 5 lbs., \$14.25; 10 lbs., \$27.00.

For Early Green Onions, plant Onion Sets. See page 36.

LARGE POPULAR

AILS CRAIG



AILS CRAIG—Vaughan's Selected Stock

A winning sort, gaining in popularity every season, because it makes money for the growers who plant it. This onion has individual merit by which it secures and retains recognition, and success for growers. It has handsome appearance, being large, 12 have been known to weigh 30 pounds; it has fine straw-colored skin; these make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globe and forms a fine thin neck which tells of its bred-in fine quality; it is, for a large onion, a splendid keeper, for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable. Pkt., 15c; oz., 60c; ¼ lb., \$2.00.

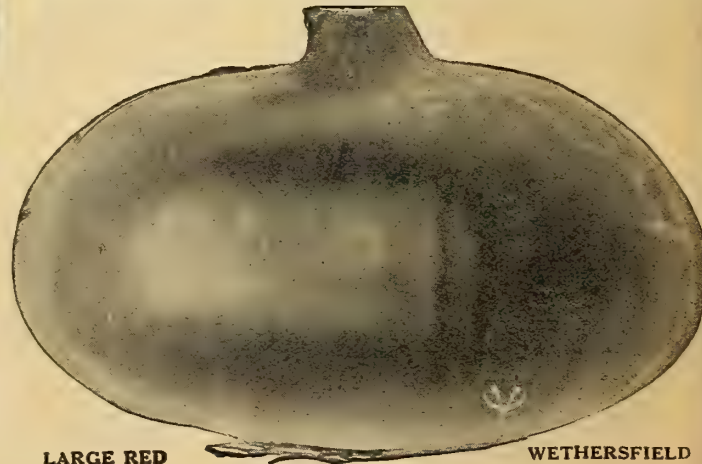
PRIZETAKER—American Grown

Amongst large onions this one is exceptional for size and beauty; it is of the same type as large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become finely acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size in the right conditions; it requires a long season and should be started early in hot bed. When properly ripened it is a good keeper. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50; 5 lbs., \$16.75; 10 lbs., \$32.00.



LARGE RED WETHERSFIELD

An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of flesh, purplish mixed with white. Moderately fine grain and mild flavor. In poor soil it does best, grows a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Our seed is carefully selected California grown—none better. Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., \$2.50; 5 lbs., \$11.75; 10 lbs., \$22.00.



LARGE RED

WETHERSFIELD

PEDIGREED SEED

No seed of unsatisfactory germination is sold by us. We test each lot and each bag.

PLANT THE BEST

Selected by the same growers for 20 years and is, in our opinion, the "best fixed" Globe Onion on the market. We prefer Eastern Seed because in our experience, it will, on the average, yield better, produce better keeping onions and hold its type without mixture better than California seed. Our Eastern grown seed bulbs are sorted by ourselves and grown exclusively for us under our direct control. We offer this year this same type of Southport Yellow Globe grown from our own sorted Eastern grown bulbs in California at a slightly lower price than the Eastern seed. Our Ohio Yellow Globe

Onion is grown in Lake County, Ohio. This is a flat-bottomed, high-necked type, specially suited for muck soils. Our Fancy Yellow Danvers is a slightly flatter onion than the Ohio (California grown.) Globe Danvers still flatter and Yellow Danvers and Strasburg really flat; the last two California-grown. In handling our Eastern seed, different colors are sown ½ mile apart, and stored in different houses after harvest. Special cleaning and milling machinery is employed. Every bag of each lot is tested and we give these tests on request.

OHIO YELLOW GLOBE



CRYSTAL-LIKE SKIN

GLOBE OR FINEST QUALITY



VAUGHAN'S IDEAL WHITE GLOBE

A strikingly handsome onion; expert market growers recommend this beautiful crystal-like white globe in the highest terms. This is a very early type, it ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white; this is a Vaughan high merit onion. Market gardeners and extensive commercial growers have been our constant, satisfied customers, for this onion, for many years; success is the evidence of their satisfaction and ours. Eastern grown seed: Pkt., 15c; ½ oz., 20c; oz., 35c; 2 ozs., 70c; ¼ lb., \$1.25; lb., \$4.00; 5 lbs., \$19.25. Write for prices in larger quantities. Western grown seed: Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., \$3.00; 5 lbs., \$14.25; 10 lbs., \$27.00.

OHIO YELLOW GLOBE

Another onion of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, its uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers. Eastern Grown Seed. Pkt., 10c; oz., 30c; ¼ lb., 85c. Western Grown Seed. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.75; 5 lbs., \$13.00.



AUSTRALIAN BROWN GLOBE. Large light brown skinned; and an average bulb 3 in. in diam.; weighs about 7 oz. Perfect globe-shape, quick to mature, ripens evenly on all soils; thin neck, long keeper, solid flesh, grand shipper. A bushel weighs many lbs. more than the American varieties. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.75; 5 lbs., \$13.00; 10 lbs., \$24.50.

VARIETIES

Large planters, write for special prices.

FANCY YELLOW GLOBE DANVERS

Buy Early—Plant Early. Use Vaughan's Nitrate of Soda Fertilizer for Onions; it gives young plants needed food.

FANCY YELLOW GLOBE DANVERS

This onion is a standard amongst the large types, it is early, almost true globe shape, beautiful yellow skin, pure white flesh, of very fine quality. It has good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent. Buy Vaughan's strain and you get the best—it is grown with greatest, critical care.

Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., \$2.50; 5 lbs., \$11.75; 10 lbs., \$22.00.

YELLOW FLAT DANVERS

YELLOW FLAT DANVERS is a standard Onion with many splendid qualities and is a valuable general crop sort. It is a medium size bulb, quite thick through but flattened, has coppery yellow skin, thick neck, and creamy white flesh which is mild and of pleasant flavor. It combines a large yield with very even ripening quality, and in every respect is first-class where a strictly globe shaped onion is not demanded.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25; 5 lbs., \$10.50; 10 lbs., \$19.50.

For home or market gardens it is equally popular and standard.



YELLOW FLAT

DANVERS



YELLOW GLOBE DANVERS. Same as above except these do not run as globe shaped, but color, ripening and keeping are identical.

Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., \$2.50; 5 lbs., \$11.75; 10 lbs., \$22.00.

MAMMOTH SILVER KING. Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape: flat, but thick. Skin is clear silvery white, flesh snowy white, tender, sweet and mild. Size, shape, color, quality, all make it ideal for exhibition, fancy market or table. Pkt. 15c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

CRYSTAL WHITE WAX. This is a pure white flat onion, very popular in the south, especially in Texas. We have also found it well suited to the North, in our trials of this strain. Teneriffe seed. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

WHITE and RED BERMUDA. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Our imported Teneriffe seed gives best results. Price, White, Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c. Red—sold out

**PLANT
THE BEST**

VAUGHAN'S ONIONS

**WHITE
PORTUGAL**



WHITE PORTUGAL OR SILVERSKIN

This beautiful white onion is a splendid sort for growing **white onion sets**, pickles and for **early bunching green onions**; for any one or all of these purposes it is extensively planted by growers who produce the varieties named as **large white onions for fall and early winter use**. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping.

Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3., postpaid. By express—5 lbs., \$14.25; 10 lbs., \$27.00.

STRASBURG OR YELLOW DUTCH

Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown and has no superior.

Pkt. 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25 postpaid. By express—5 lbs., \$10.50; 10 lbs., \$19.50.

BROWN AUSTRALIAN (Flat)

A very desirable onion is Brown Australian, it is a medium sized bulb, with amber brown skin in varying shades; solid white flesh, appetizingly crisp, sweet, fine mild flavor. It is **early, sure bottoming, a heavy yielder, and a long keeper**; in warm climates where large onions do not keep well, Vaughan's Brown Australian is a great favorite.

Plant the best, get results.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid. By express—5 lbs., \$9.25; 10 lbs., \$17.00.

EARLY WHITE WELSH ONION

The best kind for green onions, forms no bulb. Plants can be propagated from seeds or divisions, a great saving in cost over top sets.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.



**EARLY WHITE
WELSH**

EXTRA EARLY FLAT RED

One of the **handsomest red onions**, and first to ripen; grown from Vaughan's carefully cultured seed, will ripen two weeks earlier than other strains of this variety. Flat, good red color, medium size.

Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., \$2.50, postpaid. By express—5 lbs., \$11.75; 10 lbs., \$22.00.

EARLY YELLOW CRACKER

The earliest of the yellow flat varieties. It is of excellent flavor, and good keeping quality. Very desirable for sets.

Pkt., 10c; oz., 20c; ¼ lb., 70c; lb. \$2.50, postpaid.

SPECIAL OHIO GROWN FLAT YELLOW.

A very hard long-keeping onion, especially bred for growing sets.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25; 5 lbs., 10.50.

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. **Pkt., 15c; oz., 35c.**

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white skinned. **Pkt., 15c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00.**

WHITE BARLETTA. Beautiful waxy-white color, much admired by housewives. **Pkt., 15c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.**

GIANT ROCCA. A large globe shaped onion. The flesh is very sweet and mild. This variety ripens evenly and does well in both Southern and Northern climates. We cannot offer this year owing to crop failure.

GREEN ONIONS FROM SETS will be your first Garden Crop 30,000 packets sold by us in New York and Chicago in one spring.

ONION SETS

Illustration shows fair samples of our **RED, WHITE and YELLOW SETS**, the inset bulbs showing about natural size of "Hazel" Sets.



WHITE BOTTOMS

Pint, 20c; quart, 35c; ½ pk., 85c; peck, \$1.40; bushel, \$5.00.

YELLOW BOTTOMS

Pint, 15c; quart, 25c; ½ peck, 60c; peck, \$1.00; bushel, \$3.75.

RED BOTTOMS

Pint, 20c; quart, 30c; ½ peck, 75c; peck, \$1.25; bushel, \$4.00.

Special offer No. OSI—1 pint each, 3 colors, 50c; 1 quart each, 3 colors, 75c. (Postage extra).

EGYPTIAN OR RED PERENNIAL

This we sell largely in the Fall. Planted then produces very early green onions. **Pint, 20c; quart, 30c; ½ peck 75c; peck, \$1.35; bushel, \$4.50.**

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through third zone. For farther zones add 5c per pound, to figure cost remember each quart weighs 1½ pounds.

ONION SETS, HAZEL SIZE

We grow, grade and store in special warehouse the best quality possible. Our Catalogue quality "Hazel Size" are about 5/8-inch in diameter, screened very uniformly. Orders are filled with dry, unsprouted sets. Our warehouse has 50,000 bushel capacity. Day and night men protect against weather changes. Onion Sets produce ripe onions much quicker than does Onion Seed. The planter secures the highest market prices for his early onions and can raise a second crop.

Vaughan's Hazel Size Sets: Price, White, Red or Yellow Bottom. Pint, 25c; quart, 40c; larger quantities at quart price.

WHITE MULTIPLIERS

For **First Early Spring Bunching Onions**. They are **pure silvery-white**, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. They are ready for table earlier than any other. **Pint, 25c; quart, 40c; ½ peck, 90c; peck, \$1.60; bushel, \$6.00.**

Shallots or Yellow Multipliers. Flavor much superior to ordinary onions. **Pint, 20c; quart, 30c; ½ peck, 75c; peck, \$1.35; bushel, \$4.50.**

Red Summer Top Sets. These are planted to produce both early "Green Onions" and large eating onions. **Pint, 25c; quart, 40c; ½ peck, \$1.00; peck, \$1.75; bushel, \$6.50.**

Yellow Potato. They produce large, dry ripe onions, earlier than any other kind. **Pint, 20c; quart 35c; ½ peck, 90c; peck, \$1.50; bushel, \$5.50.**

All Onion sets offered by us are sold on a basis of 32 lbs. to the bushel except Summer Tops and Egyptian which weigh 28 lbs.

PEERLESS PEPPERS

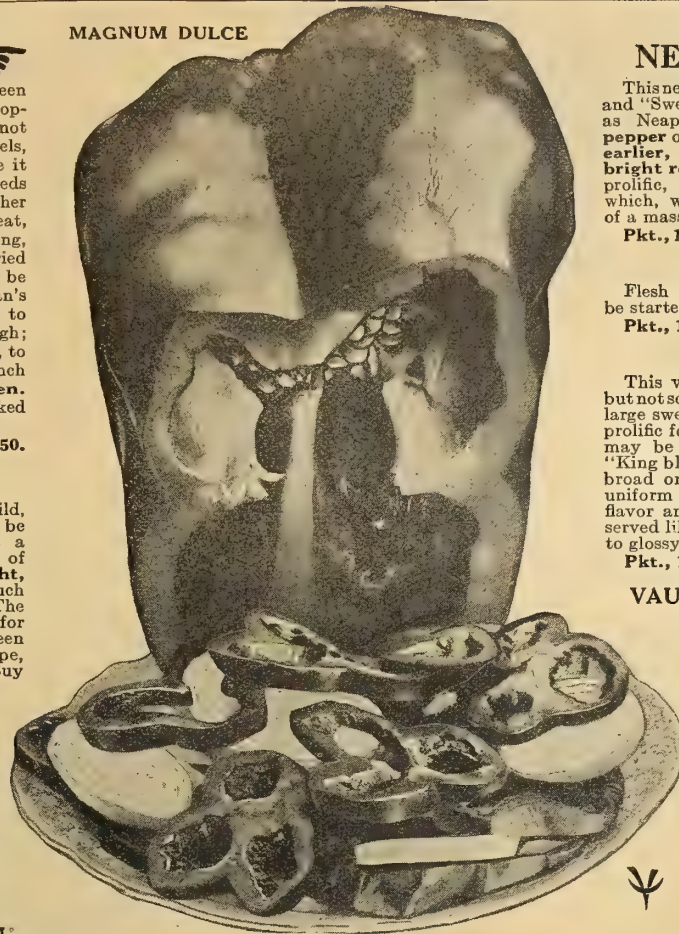
**PLANT
THE BEST**

VAUGHAN'S MAGNUM DULCE

This grand pepper has appropriately been styled the "Salad King," as the leading top-notch variety of sweet peppers. But it is not in salad form alone that this sweet pepper excels, for there are other forms in which to prepare it as a tempting and delicious dish. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, ground steak with onions and other seasoning, makes a most delicious meal. Sliced and fried as egg plant, it is an exquisite dish, or it may be eaten raw, it is so mild-flavored. Vaughan's Magnum Dulce sweet pepper can be grown to immense size, 7 inches long and 4 inches through; but when grown so large the yield is small, to get a larger yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Vaughan's Magnum Dulce is saved from picked specimens.

Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50.

MAGNUM DULCE



NEW SWEET PEPPER NEAPOLITAN SALAD

This new pepper is a cross between "Neapolitan" and "Sweet Upright Salad," and grows as large as Neapolitan, which was formerly the first pepper of marketable size. This new sort ripens earlier, the color is light green, changing to bright red when ripe. Neapolitan Salad is very prolific, the plants being loaded with fruit, which, when ripening, present the appearance of a mass of beautiful green and gold.

Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.60.

PIMENTO

Flesh extremely thick and very mild. Must be started early in the north to mature.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.40.

CHINESE GIANT

This variety is larger than "Ruby King," but not so large as "Magnum Dulce." A standard large sweet pepper is "Chinese Giant," and very prolific for so large a pepper, the productiveness may be increased by pinching off the first or "King blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size, the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

VAUGHAN'S SWEET MOUNTAIN

The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong, and very productive; the flesh, though sharper than "Upright Sweet Salad" is very mild and thick. The peppers often grow 6x4 inches. Seed saved from big peppers.

Pkt., 10c; oz., 55c; ¼ lb., \$1.75.

RUBY KING. One of the most popular varieties; growing 4½ to 6 in. long, 3½ to 4 in. thick. The peppers are a bright ruby red and are one of the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender.

Pkt., 10c; oz., 55c; ¼ lb., \$1.75.

NEW SWEET UPRIGHT SALAD

Is an early, prolific, good sized, sweet, mild, pepper; so mild indeed that the seeds may be eaten raw. In the northern states it is a most desirable sort; in habit the bushes are of medium height, and bear the pepper upright, not drooping; gathering the fruits is much easier, because of the upright growth. The size being medium they are just right for stuffing and frying, the bright glossy green color, which turns to a waxen red when ripe, makes this a very attractive pepper. Buy Vaughan's Seed—the best.

Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.60.

Early Pepper, CRIMSON GIANT

An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe, flesh thick, sweet, and very mild. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

NEAPOLITAN

A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruit is a of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe.

	Pkt.	½ oz.	oz.	¼ lb.
BULL NOSE. Sweet Mountain; improved type.....	\$.10	\$0.30	\$0.60	\$1.75
CAYENNE. Long red; very hot.....	.10	.25	.40	1.40
CAYENNE PICKLING. Dwarf; habit upright.....	.10	.25	.40	1.40
CELESTIAL. Ornamental.....	.10	.25	.40	1.40

	Pkt.	½ oz.	oz.	¼ lb.
CHERRY. Prolific; fruit small and round; good pickler.....	.10	\$0.25	\$0.45	\$1.50
ELEPHANT'S TRUNK. Long, mild; bright scarlet.....	.10	.25	.45	1.50
MAMMOTH GOLDEN QUEEN. Large yellow.....	.10	.30	.55	1.75
GOLDEN DAWN. Mild yellow.....	.10	.25	.45	1.50
RED CHILI. Good hot pickling.....	.10	.25	.45	1.50
RED CLUSTER. Small and pungent.....	.10	.25	.45	1.50
SWEET SPANISH MONSTROUS. Large fruit.....	.10	.25	.45	1.50
TABASCO. Hottest of all.....	.10	.25	.45	1.50

Plant 1 oz. to 25 hills, 4 pounds to the acre (alone), or 2 pounds (with corn).

VAUGHAN'S PUMPKINS

In a small garden plant near low fence, allowing vines to climb over.

VAUGHAN'S SUGAR PIE PUMPKIN

Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, and such a sweet, sugary, delicious flavor they all call for "more"; the seed cavity is small.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

VAUGHAN'S MAMMOTH PRIZE. A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

CALHOUN. Medium in size, solid and of excellent quality. Skin of cream color; flesh, salmon yellow. A fine pie variety.

Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., \$1.60.

WINTER QUEEN OR WINTER LUXURY. Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russetty as a potato.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.35.

SMALL SUGAR. Flat sort, good for the home garden.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.



VAUGHAN'S SUGAR PIE PUMPKIN

LARGE CHEESE

Of large size, shape flat like a cheese box, very productive. Keeping quality excellent and extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruit averages fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange yellow flesh.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

Pkt. oz. 2 oz. ¼ lb. lb.

JAPANESE PIE. Finest quality, good keeper.....	.10	.20	.35	.50	1.60
GOLDENBLOOM. Orange color. Flesh yellow, excellent flavor.....	.10	.15	.25	.40	1.35
SWEET POTATO. Bell shaped. White flesh. Used for pies.....	.10	.20	.35	.50	1.60
LARGE TOURS OR MAMMOTH FRENCH. Very large size.....	.10	.20	.35	.50	1.60
QUAKER PIE. Pear shaped. Rich flavor and good keeper.....	.10	.15	.25	.40	1.35
CUSHAW, WHITE OR STRIPED. Popular southern sort, fine flavor.....	.10	.20	.35	.50	1.60

PLANT THE BEST

We are now pricing Peas by the pound, instead of dry measure. 1 lb. is a little more than 1 pint. 2 lbs., are a little more than 1 quart.

U. S. Govt. License No. G31074.

VAUGHAN'S



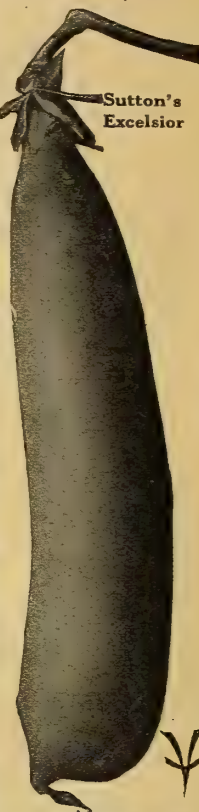
NOTT'S EXCELSIOR

LITTLE MARVEL EARLY AND MAIN

The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts which last only a few days when they become hard, and lose their sweetness. Very productive, hardy, and quality luscious and sugary. Vines 18 inches, pod $3\frac{1}{4}$ inches; dark green, well filled.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

For price in 100 lb. lots of this or others below, write us.



Sutton's Excelsior

NOTT'S EXCELSIOR

Is an early dwarf pea, in great popular favor. It is almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, bear heavy masses of blunt pods, about 3 inches long, each containing 5 to 7 peas of good size that are tender and delicious. The vines are vigorous and very prolific, excelling "American Wonder" and "Little Gem," in this respect. It is easily grown, requires no support and is desirable for the home garden.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.50. (Larger quantities at 10 lb. rate.)

AMERICAN WONDER

Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfer than Nott's Excelsior, being only 10 to 12 inches high, which mature pods a day or two in advance of Nott's, that are firm and well filled with peas of

splendid quality. The vines require no support during growth; plant every week for succession. American Wonder is a standard home garden variety of prolific growth.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.50.

SUTTON'S EXCELSIOR

Is a very fine first early dwarf wrinkled pea, regarded by some as the best of the wrinkled sorts. This is a very hardy sort; can be planted early; vines are 18 inches high, very prolific in bearing, pods are almost square at lower end; they are larger and broader than the usual dwarf pea, and light green color; in season 2 days later than

Nott's. The excellent quality of the peas, size of pods, heavy yielding and hardiness have secured for "Sutton's Excelsior" many friends amongst market growers, who prefer it to the tall tender varieties.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

For prices per 100 lbs. and up, write us.

EXTRA EARLY PREMIUM GEM OR LITTLE GEM

Is an early dwarf wrinkled pea, not so upright in habit as "American Wonder," but the vines which grow 16 to 18 inches high require no support, and yield great quantities of pods, which are

3 inches long and contain peas of fine quality and flavor and give satisfaction.

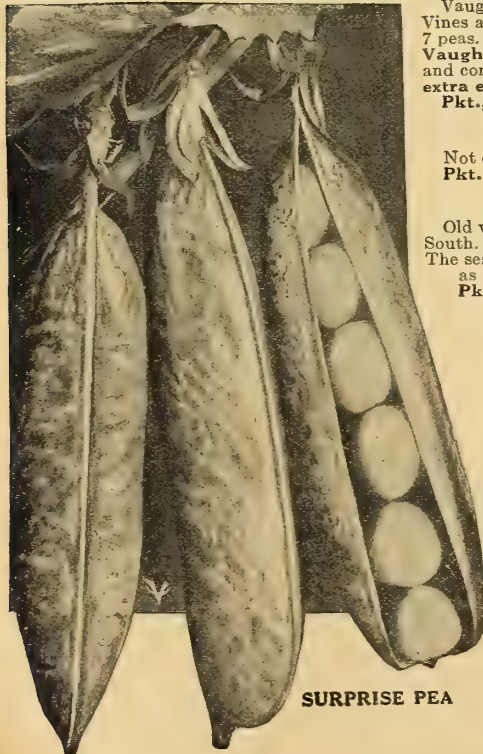
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.35. Larger quantities at 10 lb. rate.

A grand new Early Pea—Vaughan's Top O' The Morn. See page 6 and illustration on front cover.

NORTHERN GROWN

EXTRA EARLY

SURPRISE—Pea of Quality



SURPRISE PEA

VAUGHAN'S SELECT EXTRA EARLY MAUD S

Vaughan's strain of this excellent sort should be planted by every grower. Vines are 20 to 26 inches high, pods $2\frac{1}{2}$ to 3 inches long, each pod having 5 to 7 peas. The delicious sweetness, rich flavor, tender quality and smoothness of Vaughan's Maud S are the qualities for which our strain is known by growers and consumers. Seed white, round and smooth; crop ripens evenly and extra early; means first in market with crop all harvested.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.35.

FIRST AND BEST

Not quite as early as Maude S, a trifle larger and a heavier yielder. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.35.

THE AMEER

Old variety, lately become very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large, and hence command a high market price.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.50.

NEW EXTRA EARLY PEA—MARKET SURPRISE

A new, smooth seeded, extra early, with pods larger than Ameer and more peas in a pod. Short crop. Pkt., 10c; lb., 45c; 2 lbs. 80c.

ALASKA—Called EARLIEST OF ALL

In season same as "Maud S." Alaska and "Maud S" are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Vaughan's strain is true to type, always reliable and gives best results to growers. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible. Plant Vaughan's strain of Alaska; you will plant the best.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.00.

SURPRISE—The Earliest Pea of Quality

The earliest of all sweet wrinkled peas. In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S, because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

For 100 lb. lots any of above, write us.



ALASKA or EARLIEST OF ALL

DWARF PEAS

Our Pea and Bean Farms are in the best growing districts and our trial grounds produce and prove the merit of all our seed stocks.

PLANT THE BEST

CROP VARIETIES—BRUSH NOT NEEDED

VAUGHAN'S DWARF DEFIANCE

Pea growers cannot afford to overlook this splendid **main crop success**; it is a money-maker without a superior, a **grand second early**, no better on the market. The vines are vigorous and require no brushing, the pods are dark green color and immense in size and fullness, like "Telephone," they have no superiors in quality, and will bear comparison with any tall sorts; the handsome pods are filled with peas that are sweet and rich flavored.

Pkt., 15c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.25.

For prices on 100 lb. lots and up write us.

HEROINE

Is a sturdy growing sort, a **main crop dwarf** that is extremely prolific; vines 30 inches high with luxuriant foliage, the illustration tells the story of a long, pointed, slightly curved pod, filled with sweet, luscious, rich flavored peas.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75; Larger quantities at 10 lb. rate.

McLEAN'S ADVANCER. Is a favorite with market growers and canners who consider it the **best producer of mid-early sorts.** McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

DWARF TELEPHONE OR DAISY.

A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock.

Pkt., 15c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.25.

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with wrinkled peas of immense size, and delicious sweetness and flavor.

Pkt., 15c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.25.



DWARF DEFIANCE

HORSFORD'S MARKET GARDEN.

Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods mature uniformly and are filled with peas of fine quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

JUNO OR DWARF CHAMPION.

Main crop dwarf wrinkled pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 9 peas of very best quality, quite similar to "Dwarf Champion" offered by others.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

VAUGHAN'S SWEET MARKET.

An excellent main crop pea. Its season follows right after the Extra Earlys and continues to bear much longer than most varieties. Very prolific and of fine quality. 2½ feet, strong vigorous vines, many bearing 50 pods. Pods 3½ inches long, filled with 7 to 9 peas.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.



HEROINE

TALL SORTS

DO BEST WHEN BRUSHED

GRADUS—VAUGHAN'S RE-SELECTED STOCK

To eat Gradus Peas is to enjoy all the luscious sweetness and rich flavor, combined with melting tenderness of the finest butter you can imagine. Gradus is the **greatest of the wrinkled pea varieties**, it is large and handsome as well as delicious. A table luxury and delight which retains its attractiveness, beautiful color and fine appearance after being cooked. It is the most popular of all the extra early wrinkled peas. It is tender and should be planted in the warmest spot in the garden, it blooms forth and matures within two or three days after the small round extra early sorts. Vines 30 inches high, pods 4 inches long or more, beautiful green color, and 10 or more rich, plump, fine peas in each pod.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs. \$3.00.

THOMAS LAXTON

This is a product of the Gradus Strain, the season is identical with Gradus, the pods are square at the end and deeper green color than the parent strain. Vines are 3 to 3½ feet high and may be grown with or without brushing, the main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for home garden. A better yielder than Gradus.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

VAUGHAN'S NEW LATE GRADUS

This is a special Gradus Pea bred to fill a special place and time. It comes in between the last of the Gradus and the first of the Telephone; It possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. The handsome appearance of this new variety secures for it ready sale at the best earlier sort prices; it is a most important introduction for market gardeners.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

SUCCESSION OF DWARF PEAS

Sutton's Excelsior. Dwarf Defiance. Heroine.

Planted at one time they will ripen successively.

	At Buyer's Expense		At Buyer's Expense
No. 1. 1 pkt. of each 25c (prepared) . . .		No. 3. 2 lbs. of each	\$2.10
No. 2. 1 lb. of each	\$1.10	No. 4. 10 lbs. of each	9.00

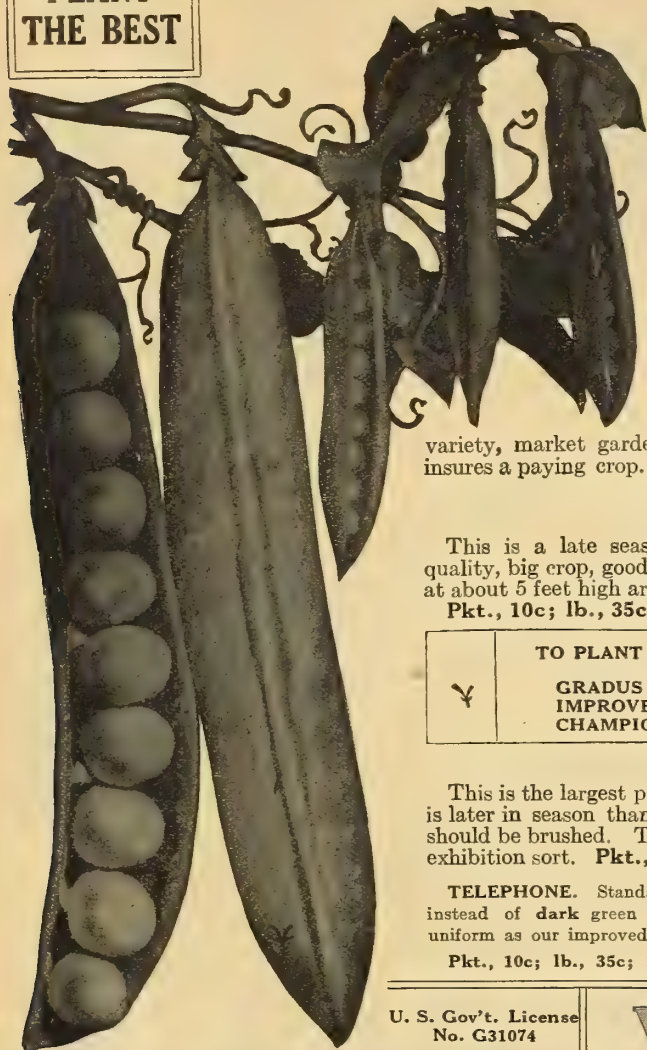
Our Victory Garden Collections on page 11 contain sufficient Vegetables to plant any ordinary garden.



GRADUS OR PROSPERITY

**PLANT
THE BEST**

**VAUGHAN'S IMPROVED
TELEPHONE**



VAUGHAN'S

VAUGHAN'S IMPROVED TELEPHONE

Of the tall growing varieties of peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. It requires no bushing or support and in the home garden its value is attested by heavy yielding and excellent quality.

The productiveness of this variety, in large pods as well as heavy crop, is a distinctive feature of special interest and importance to market gardeners. Uniformity in type, large pods, 5 inches or more long, filled with 8 to 9 delicious peas superb in flavor; and the fine, cool looking, rich, green color of the pods, giving them the highest marketable value in appearance, which is retained several days longer than pods of lighter color could be, are all points for the market gardener to figure on. The crop maturing evenly makes only a few pickings necessary, and with such goods the gardener gets a good profit-making price.

Vaughan's Improved Telephone pea grows 4 feet high; it is a main crop variety, market gardeners find customers well pleased with its quality, while its heavy yield insures a paying crop. **For prices on 100-lb. lots of all peas, write us.**

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

CHAMPION OF ENGLAND

This is a late season tall pea, and as such has long been a recognized standard for best quality, big crop, good sized pods filled with peas of superb flavor and fineness. The vines mature at about 5 feet high are very vigorous, and bountiful producers. Plant Vaughan's Seeds.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

TO PLANT FOR CONTINUOUS CROPPING		Postpaid by Mail	By Express at Buyer's Expense	
✓	GRADUS	1 pkt., each	✓	
	IMPROVED TELEPHONE	1 lb., each		\$0.25
	CHAMPION OF ENGLAND	2 lbs., each		\$1.10
		10 lbs., each		2.00
			8.25	

"QUITE CONTENT"

This is the largest podded pea; the pods being 5-6 inches in length, quite exceptional for size; it is later in season than "Vaughan's Improved Telephone;" the vines grow 5 to 6 feet high and should be brushed. They yield long, producing pods with large peas of fine flavor. A splendid exhibition sort. **Pkt., 15c; lb., 45c; 2 lbs., 80c; 10 lbs., \$3.50.** (Larger quantities at 10-lb. rate.)

TELEPHONE. Standard seed, the pods are light instead of dark green color, and are not quite as uniform as our improved variety.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

BOSTON UNRIVALED. Of the light colored tall sorts, this is the highest type. A mid-season variety large podded and very uniform, peas of good quality and delicious flavor.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

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No. G31074

VAUGHAN'S PARSLEY

VAUGHAN'S XXX PARSLEY

"The most beautiful Parsley that ever garnished a dish."

An enthusiastic chef gave voice to the above expression as he garnished some dishes of fine table delicacies with sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, adds zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes. It grows very dwarf in the garden—many of our customers plant it as a border for which it is very pretty; it also is valuable in the hot-bed, greenhouse, or in pots in winter, taking small space.

Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced.

Pkt., 10c; 2 pkts., 15c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

VAUGHAN'S CHAMPION MOSS CURLED. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. For garnishing dishes and for flavoring purposes it is entirely satisfactory.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

PLAIN. The leaves are not curled. However, the flavor is excellent and plant is very hardy.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

HAMBURG ROOTED or GERMAN PARSLEY. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**Vaughan's
Vegetable
Cook
Book**

Here is a book that in these times of forced economy will prove its full worth to the industrious housewife. Contains over two hundred talks and recipes on how to serve, cook and preserve the products of your garden. It is a book that you will soon find you cannot do without, and the benefit you derive will amply compensate us for our time in collecting and putting together the contents. You are entitled to your own opinion on how to do things, but read what the others, many of them experts, say also. It only costs 25c, or you get it FREE with a \$1.00 order for Vegetable Seeds if you ask for it.

VAUGHAN'S
XXX
PARSLEY

TALL GROWING PEAS

PLANT
THE BEST

PRINCE EDWARD

For 100 lb. lots and larger of any kind write for latest price.

A top-notch for exhibitions. The pods are so large they are truly magnificent. This is an English strain of the "Telephone," selected and bred especially for size of the pods. The peas are plump, have fine grain, and good flavor. The vines are heavy bearing.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

ALDERMAN. This mid-season pea is tall growing, of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific: of the best quality.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

LONG ISLAND MAMMOTH. Known also as Telegraph. Later than Telephone, of which it is regarded as a strain, with smooth seeds. The pods are not so large nor the peas of as good quality, but the vine is harder than Telephone.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

EVERBEARING. For late summer and autumn; very prolific variety. Pods about 3 inches long, with large peas of good quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.35.

YORKSHIRE HERO. An old standard variety; vines medium tall; produce a crop of fine, broad, well filled pods. Peas are wrinkled, sweet, large and remain a long time in good condition for eating. A great favorite on the Pacific Coast.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

BLACK EYE MARROWFAT (Late). A great yielder of ordinary quality peas.

Pkt., 10c; lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00.

WHITE MARROWFAT. Similar to Black Eye. Popular heavy yielder.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

EDIBLE POD PEAS

DWARF GRAY SUGAR. 16 inch. Pods eaten like string beans.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

LUSCIOUS SUGAR. Tall growing strain of above.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

MAMMOTH PODDED SUGAR. A late, large sugar pod pea. Vines 4 to 5 feet high. The best quality sugar peas. Pods 5 to 6 inches long, thick and fleshy. A delightful dish, cooked as string beans.

Pkt., 10c; 1 lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.



"PRINCE EDWARD," ONE OF THE LARGEST PODDED PEAS.

VAUGHAN'S PARSNIPS

Parsnip seed usually comes unevenly. Should be sown as early as possible in spring. Cover one-half inch deep and roll.

VAUGHAN'S MARROWFAT PARSNIPS

On this page the illustration of Vaughan's Marrowfat Parsnip tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high class, superior variety of parsnip. In richness of flavor it is unequalled. For exhibition purposes it is a winner. Sow early while soil is cool. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.60.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" Parsnip. As a money maker for market men we recommend it. It is a heavy cropper, the roots are smooth but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 5c; oz., 15c; ¼ lb., 40; lb., \$1.40.

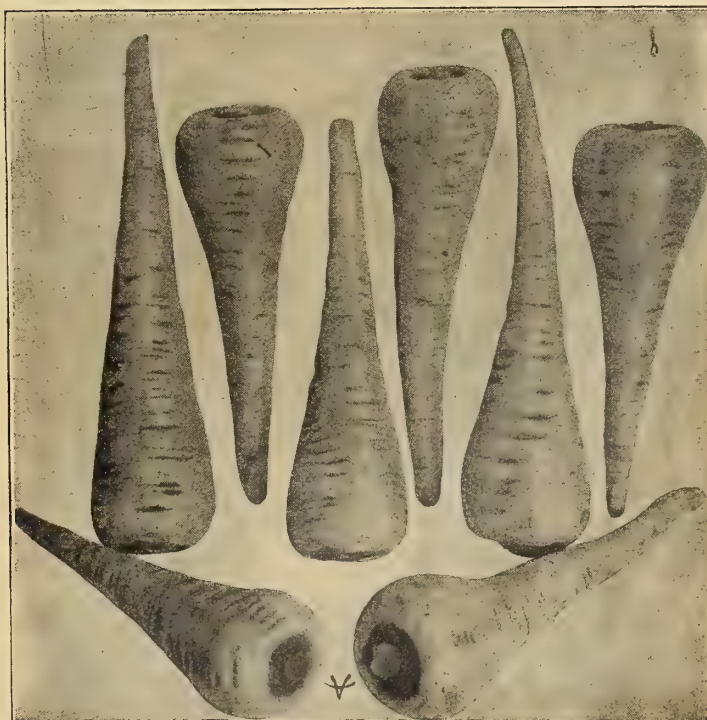
HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved). Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 20c; ¼ lb., 50c lb., \$1.50.

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction, of excellent sugary flavor.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require soil so deep for its cultivation as that which is necessary for the older sorts. It is quite equal in quality to the older varieties although the roots of this are only one-half to two-thirds as long, when grown under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.25.

Parsnips are a valuable stock food as well as a table dish.



VAUGHAN'S MARROWFAT—Handsome and Best

PLANT THE BEST

Prices quoted here represent values at time this catalogue went to press. Latest market prices on request. On quality basis we can always meet the market. These prices are subject to change without notice owing to price changes for eating potatoes.

WOODBURY'S

WHITE ROSE



WOODBURY'S WHITE ROSE

A splendid early potato, of exceptional value, to market growers, who aim to make money through supplying a superior quality early potato to their customers. Woodbury's White Rose is a seedling from "Early Rose" to which it is superior. It is right in size, beautiful kidney-shape with pure white skin and flesh. Eyes shallow, makes peeling easy with less waste. The vines are vigorous and resist early blight, and the yield is double that of extra early sorts. The elegant appearance and splendid table quality of Vaughan's Woodbury's White Rose, together with its cropping, blight-resisting and other excellent qualities, makes early potato profits sure for growers who plant Vaughan's seed of this variety. $\frac{1}{2}$ peck, 45c; peck, 75c; $\frac{1}{2}$ bu., \$1.35; bu., \$2.65; 100 lbs., \$4.40; 500 lbs. at \$4.00 per 100 lbs.

VAUGHAN'S WHITE OHIO

This is the most popular first early white potato. A sport from Red Ohio and very similar to that sort, except in color. An excellent sort for the home garden. $\frac{1}{2}$ pk., 45c; pk., 75c; $\frac{1}{2}$ bu., \$1.35; bu., \$2.65; 100 lbs., \$4.40; 500 lbs. at \$4.00 per 100 lbs.

VAUGHAN'S

EARLY AND MAIN CROP SORTS

For more than twenty years we have had our Early Seed Potatoes produced in the Red River Valley of the North in Minnesota and Dakota—Today Vaughan's Red River Valley grown true to type Early Seed Potatoes are the standard of quality throughout the country. We have found these are earlier, more vigorous and better yielders than any grown elsewhere.

We call attention to our second early varieties closely following in their ripening the Early Ohio—but yielding much more heavily—Irish Cobbler

VAUGHAN'S IMPROVED EARLY OHIO (RED)

Is a week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable—in the Red River Valley of Minn., the natural home for high-class potato seed. This standard variety is well known to growers, who find it superior to other strains. In the middle west Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected.

$\frac{1}{2}$ pk., 45c; pk., 75c; $\frac{1}{2}$ bu., \$1.30; bu., \$2.60; 100 lbs., \$4.20; 500 lbs. at \$3.80 per 100 lbs.

Improved

Early Ohio



Red

Type



VAUGHAN'S MAIN CROP VARIETIES

NEBRASKA — The Best — Rural Type

This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the Nebraska has out-yielded such kinds as Carman, Sir Walter Raleigh and Rural New Yorker, Beauty of Hebron, etc. The

vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural Type; size larger and quality superb. To grow for market there is no more profitable sort, for its appearance is ideal, and in the home garden its high quality meets the demands of the most critical.

$\frac{1}{2}$ pk., 45c; pk., 70c; $\frac{1}{2}$ bu., \$1.25; bu., \$2.50; 100 lbs. \$4.10; 500 lbs. at \$3.75 per 100 lbs.

OTHER RURAL TYPES

CARMAN NO. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. Carman No. 3 grows to the largest size of these sorts. Our seed has been very carefully selected and given the best soil for a number of years.

$\frac{1}{2}$ pk., 45c; pk., 70c; $\frac{1}{2}$ bu., \$1.20; bu., \$2.40; 100 lbs. \$4.00; 500 lbs. at \$3.60 per 100 lbs.

RURAL NEW YORKER NO. 2. The standard white market potato. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. Known everywhere as "Dusty" Rural. $\frac{1}{2}$ pk., 45c; pk., 70c; $\frac{1}{2}$ bu., \$1.20; bu., \$2.40; 100 lbs. \$4.00; 500 lbs. at \$3.60 per 100 lbs.

SIR WALTER RALEIGH. An A1 late potato. Seedling of Mr. Carman's, whose work on potatoes has become famous. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. Exceedingly fine grained and white-fleshed, equaling the old snowflake quality.

$\frac{1}{2}$ pk., 50c; pk., 70c; $\frac{1}{2}$ bu., \$1.20; bu., \$2.40; 100 lbs. \$4.00; 500 lbs. at \$3.60 per 100 lbs.

GREEN MOUNTAIN. After careful trials we list this as the most desirable of the cylindrical potatoes. It is especially suited for loose soils or muck land. As the tubers set rather deep—this habit is detrimental on heavy or clay lands where the crop is liable to run undersized. On loam the tubers run uniformly large and slightly irregular in shape. Green Mountain is a hard potato to beat for eating quality; they cook dry and mealy with a particularly fine flavor. Under favorable conditions this is an immense yielder.

$\frac{1}{2}$ pk., 45c; pk., 70c; $\frac{1}{2}$ bu., \$1.25; bu., \$2.50; 100 lbs. \$4.10; 500 lbs. at \$3.75 per 100 lbs.



POTATOES

CLEAN POTATO SEED. Our potatoes are grown especially for us by famous growers who spray, select and treat their seed keeping it true to type and free from disease. The stock we send out in the spring has been twice hand sorted.

PLANT THE BEST

GROWN IN THE FAR NORTH

Dearborn and Woodbury's White Rose,—maturing within a few days of each other in the order named. The Prices in this catalogue represent values at the time this book went to press and are subject to market changes. Write for latest market prices. We are large carload handlers of potatoes and are always in line with the prevailing market. The prices on our potatoes are F.O.B. Chicago. If to be shipped from New York add at the rate of 40c per 100 lbs. or 25c per bushel of 60 lbs.

IRISH COBBLER—Early Heavy Cropper

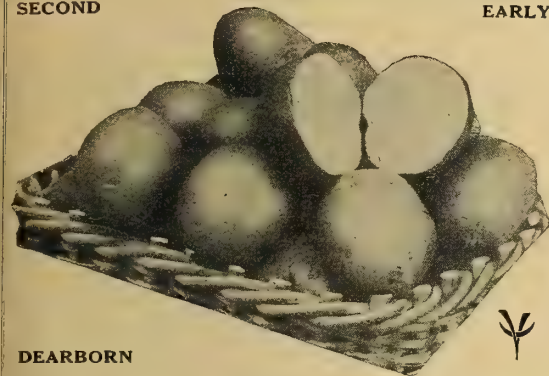
Is a grand early potato of medium large size, and in light soil, does its best for earliness, maturing almost as soon as the smaller cropping Earlies. The demand for more early potatoes makes a virtue of the necessity to plant varieties that yield bigger crops than the Earlies which yield small crops. Irish Cobbler, although not so fine-grained in flesh as some other sorts described here, yet is always a very popular seller. Its size, shape, good quality and elegant appearance have given it a very wide popularity and it usually secures a better price, side by side with standard Earlies. To our customers who find it necessary to cater to a growing demand for more early potatoes we commend this sort as a money-maker and trade-winner. Our seed is grown in Red River Valley, Minn., and is superior to other strains grown elsewhere.
 $\frac{1}{2}$ pk., 45c; pk., 75c; $\frac{1}{2}$ bu., \$1.35; bu., \$2.65; 100 lbs. \$4.40; 500 lbs. at \$4.00 per 100 lbs.

ACME. A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardens.
 $\frac{1}{2}$ pk., 45c; pk., 75c; $\frac{1}{2}$ bu., \$1.30; bu., \$2.60. 100 lbs., \$4.20. 500 lbs., at \$3.80 per 100 lbs.

VAUGHAN'S DEARBORN. The heaviest yielding second early. A round potato of blocky appearance something like the Irish Cobbler but flatter. In season less than a week later than Cobbler and a twenty-five per cent better yielder. A fine sort wherever Cobblers do well.

$\frac{1}{2}$ pk., 45c; pk., 75c; $\frac{1}{2}$ bu., \$1.35; bu., \$2.65. 100 lbs., \$4.40. 500 lbs. at \$4.00 per 100 lbs.

SECOND



EARLY



A
Second
Early

That
Makes
Friends



DEARBORN

RUSSET RURAL OR PETOSKEY

A superb variety of recent introduction and considered by the raiser to be away ahead of any other late potato. Remarkable on account of its freedom from disease. This variety has been carefully tested side by side with other late sorts and the results of the trials serve to strengthen our high opinion of its merits. Russet Rural is not only an excellent yielder but takes the lead in all directions. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for the excellence of their cooking qualities. When dished up the long tubers present a delightful appearance by reason of their pure whiteness. There is practically no waste in peeling as the eyes are almost on the surface of the potato. The tubers are uniform in size and each plant yields above the average of salable potatoes.

$\frac{1}{2}$ pk., 45c; pk., 70c; $\frac{1}{2}$ bu., \$1.25; bu., \$2.50; 100 lbs. \$4.10. 500 lbs. at \$3.75 per 100 lbs.

Irish



Cobbler



BLISS or RED TRIUMPH. For more than a decade this has been the standard early potato in the South. It is a round, reddish skinned potato, rather deep eyes and of medium size. As they appear early in the spring on the Northern market they are very attractive and, of course command a large premium over the old stock.

$\frac{1}{2}$ pk., 45c; pk., 75c; $\frac{1}{2}$ bu., \$1.35; bu., \$2.65; 100 lbs. \$4.40; 500 lbs. at \$4.00 per 100 lbs.

SWEET POTATOES

GROWN ESPECIALLY FOR SEED. We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nansemond.

N. B.—Owing to perishable nature of these tubers we ship BY EXPRESS ONLY.

	10 lbs.	50 lbs.	100 lbs
Yellows.....	\$1.10	\$4.00	\$7.75
Reds.....	1.25	4.50	8.75

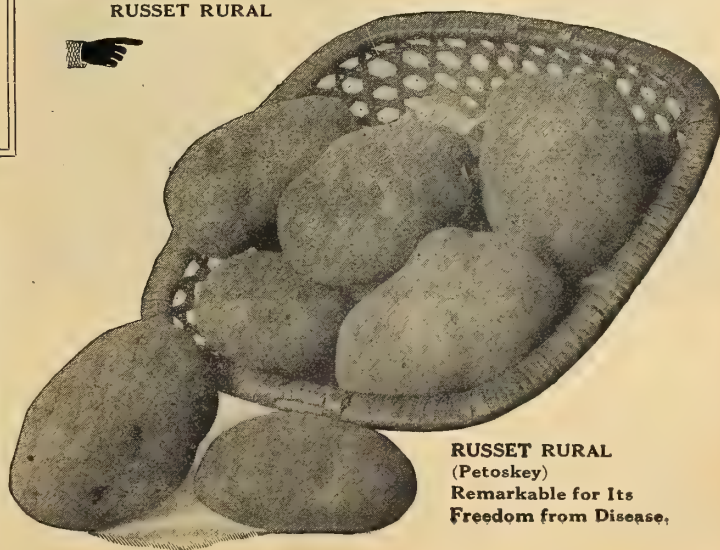
INSECTICIDES AND SPRAYERS

Potato growers should insure their crops with the very best spraying tools and insecticides. We carry a complete line of Iron Age horse sprayers and a great variety of hand and barrel sprayers as well as the highest quality Paris Green, Arsenate of Lead, Slug Shot, Bordeaux and other insecticides and fungicides. Lowest quantity prices. Write for Special Iron Age Catalog, and consult pages 135, 138 of this catalog

VIGOROUS GROWTH, TRUE TYPES CHARACTERIZE VAUGHAN'S POTATOES

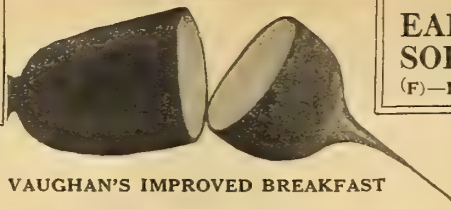
"Potatoes in the Home Garden"—Many "garden beginners" in their war gardens had very little success with potatoes. Potatoes require a mellow, rich, easily worked soil. On poor heavy soils results are not favorable. For real success, spraying is necessary, Bordeaux for blight, paris green or arsenate of lead for bugs and Black Leaf 40 for leaf hoppers and aphids. See pages offering insecticides and sprayers. Potatoes freshly dug from the garden are a luxury that only those who have the good fortune to "sit in on a mess" can appreciate. They are worth the effort. The Early Ohio for early and the Nebraska for late are the most generally successful in our experiences with the amateur. Plant the Early Ohio about the last of April or first of May. The Nebraskas are usually planted after the first of June, but around Chicago better success has been had planting in May.

RUSSET RURAL



RUSSET RURAL
(Petoskey)
Remarkable for Its
Freedom from Disease.

**PLANT
THE BEST**



VAUGHAN'S IMPROVED BREAKFAST

**EARLY
SORTS**

(F)—Forcing Sorts

VAUGHAN'S

The Radish Seed shortage of last season has been partly overcome. We now have a fair supply of best strains of French types, raised by careful American growers. We are satisfying our customers who have been forcing these under glass for many years. In these cases we



VAUGHAN'S SELECT SCARLET GLOBE

VAUGHAN'S CARDINAL FORCING (F)

Is a splendid marketing radish; of the **Globe** shaped sorts it is the handsomest; it is larger and more evenly shaped, and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent—for early sowing in the home garden it is a winner. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.75.

EARLY SCARLET GLOBE WHITE TIP. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

VAUGHAN'S ALL SEASONS. May be sown from spring to autumn and used at all stages of growth; a round scarlet radish. Crop failed.

CRIMSON GIANT

For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet flavored. Sow seed thinly to permit root growth. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.50.

**SCARLET
GLOBE**



SOLID CRISP

IMPROVED EARLY SCARLET GLOBE

Vaughan's Selected Stock.

For hot bed and greenhouse forcing, and out-door planting. Very early, crisp, mild and tender, very attractive and one of the best sellers. This Radish is rich bright scarlet in color, is not pithy and has very fine quality; it resists heat and is ready for the table in 25 days—a great favorite.

Being an **Early Radish** is not good for hot summer planting—for then it loses its shape but it is entirely satisfactory for **early** planting.

Vaughan's Scarlet Globe Radish should be planted in every garden for market as well as home use. For the home, plant every 10 days.

Vaughan's seed is selected for **size, shape, color and earliness.**

Select Stock—Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.00.

**SCARLET GLOBE
(American Grown)**

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.60; 5 lbs., \$7.50.

**EARLIEST CARMINE
TURNIP**

The best and quickest all red turnip shaped radish, matures in about 21 days. For forcing under glass it excels, and for outdoor planting in the home garden it is one of the best varieties. The skin is deep crimson, flesh white, crisp, sweet and tender, leaves are very short. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.50.

**EARLIEST WHITE
TURNIP**

Good for forcing or open ground, tops are short and tap root thin. The earliest turnip shaped radish, has excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.50.

TRIUMPH is a very early, handsomely mottled red and white striped, short topped radish of good quality—an attractive and useful sort. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25.



IMPROVED BREAKFAST

BRIGHTEST LONG SCARLET

This is a home garden favorite; it combines beauty and fine quality; the body is brightest scarlet color, which blends downward to a long tip of pure white. This handsomest best seller of the long red radish sort, is usually ready for the table in 25 days from planting. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



BRIGHTEST LONG SCARLET

EARLY LONG SCARLET SHORT TOP

This is a long, straight, smooth, red radish; it grows partly above ground; it develops long roots that are tender, crisp and sweet; this is a standard sort, fine for the home garden. Pk., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

WOOD'S EARLY FRAME. This is an early forcing variety of long scarlet; has short top, especially selected for growing under glass—for use in frames. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

HALF LONG DEEP SCARLET. This is good for forcing, it is brittle and juicy in quality. A half-long, deep scarlet radish; is much grown in the south for early shipment. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Don't Sow
Winter Sorts
Until
Late June

LONG AND

VAUGHAN'S MARKET. (Half Long White). The best early half-long white radish tender, brittle, fine flavored; resembles Strassburg in size grows more quickly, delicate and fine. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

CINCINNATI MARKET. A long red radish, white tip, short top. A standard in some parts of the South. Good quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer. **IMPROVED CHARTIER.** Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

LONG WHITE VIENNA. Snow white, very brittle and crisp. A long, handsome radish. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

WHITE STRASSBURG. Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

WHITE STUTTGART. A turnip shaped, large white radish. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

WINTER RADISHES

Do not sow these until the latter part of June. **THE MUNICH.** A popular favorite. The radishes are white and grow from 6 to 8 inches in length; are broad at the shoulder, have a white thin skin; grow thickly; have mild and delicious flavor. Pkt., 10c. Very short crop.

Each of the following:	Pkt., 10c; oz., 15c.	¼ lb.	lb.
CALIFORNIA MAMMOTH WINTER.		Long, very large size.	\$.05 \$1.60
ROSE OR SCARLET CHINA.		Rose, medium size, fine keeper.	.50 1.60
CHINESE MAMMOTH OR CELESTIAL.		The best of all very large white radishes. Immense size, flesh always crisp and mild	.50 1.60
BLACK SPANISH LONG.		Black skin and white flesh.	.50 1.60
BLACK SPANISH ROUND.		Like long black, only round.	.50 1.60
HALF LONG BLACK WINTER.			.50 1.60
LONG WHITE SPANISH.		Like Long Black, except color.	.50 1.60

RADISHES

OVAL VARIETIES
(F)—Forcing Sorts

PLANT THE BEST

specify American-grown varieties. In the home garden plant Vaughan's Early Scarlet Globe, Cardinal Forcing, Giant Butter or Crimson Giant for first planting; Icicle, Scarlet Turnip White Tip (Sparkler Strain) or Long Scarlet for main crop. Late sorts July 1.

SCARLET TURNIP WHITE TIP

VAUGHAN'S SELECTED STOCK

The exceptional merit of this radish is proved by its popularity increasing every year with successful market-gardeners, whose orders for Vaughan's Seed run into many thousands of pounds.

This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, with white tip and is a high class strain for out-door planting. It combines beautiful appearance with finest radish-quality—appealing to the eye and palate. (See front of cover.)

Vaughan's "Sparkler Strain." Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50; 5 lbs., \$7.00.

American Crown. Pkt., 5c; oz., 15c; lb., \$1.25; 5 lbs., \$5.00.

VAUGHAN'S 20-DAY

Extra Early (F) Olive-Shaped.

The quickest Red Olive shaped radish, matures 20 days after sowing; has attractive, bright scarlet skin, pure white, sweet, crisp and tender flesh, pleasant to taste. Leaves are short—permits close planting.

This is a fine sort for out-door planting or forcing.

Pkt., 10c; oz., 30c; ¼ lb., 75c.

EARLIEST WHITE OLIVE (F)

Earliest of all radishes—matures in 15 to 18 days after sowing.

This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish.

Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.00.



VAUGHAN'S 20 DAY



NOT PITHY



SCARLET TURNIP WHITE TIP

SOLID CRISP



SCARLET TURNIP, WHITE TIP

IMPROVED BREAKFAST (F)

An excellent early radish; about 2-inches long, round, with slender tap root, deep red skin with white tip. Flesh is pure white sound and solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.75.

- Any of the following, Pkt., 10c, except where noted.
- OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's oz. ¼ lb. lb. 20 day.....\$0.20 \$0.65 \$2.25
 - OVAL YELLOW MAY. A new sort, fine quality. Pkt., 5c. .30
 - FRENCH BREAKFAST. Quick and handsome. Pkt., 5c. .15 .50 1.50
 - MIXTURE. Turnip and olive shaped varieties.15 .50 1.50
- OTHER KINDS pkt. oz. ¼ lb. lb.
- NON PLUS ULTRA. (F). Scarlet turnip shaped. \$0.10 \$0.15 \$0.50 \$1.50
 - EARLY DEEP SCARLET TURNIP. An old standby. .10 .15 .50 1.50
 - YELLOW TURNIP. (A summer variety)10 .15 .50 1.50
 - GOLDEN YELLOW SUMMER TURNIP. Smooth. .10 .15 .50 1.50

OTHER SORTS

Salsify left in ground will produce fine spring chards.



ICICLE RADISH

ICICLE—The Finest White Radish

An ideal white radish—long slender root which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.

Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

SAKURAJIMA

A Japanese radish of immense size. In shape it is oval with cream colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Must be sown in May.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

RAMPION—A New Salad

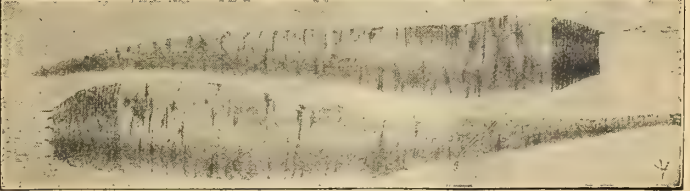
Both the roots and leaves make a delicious salad. Pkt., 10c; ¼ oz., 15c; oz., 30c; 2 oz., 55c.

SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White Variety"; it is twice the size and weight; the roots are of superior quality and most delicate flavor, especially after being touched with frost. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.25.

LONG WHITE SALSIFY. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.25.



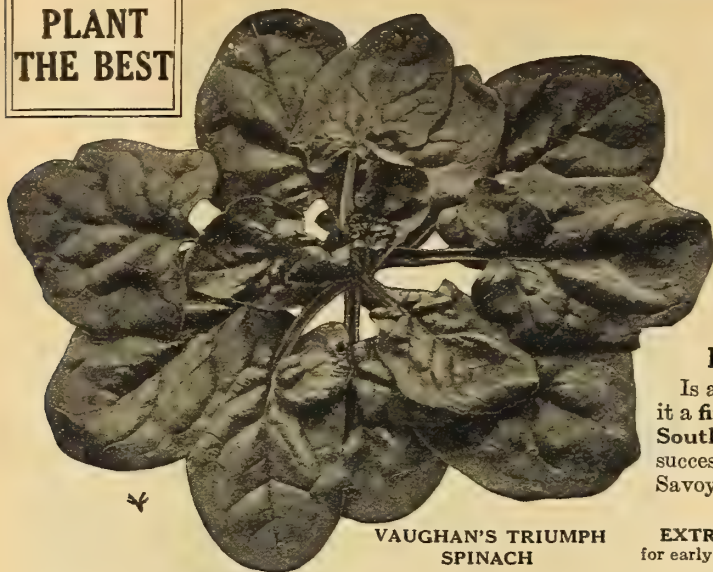
SALSIFY, MAMMOTH SANDWICH ISLAND

SCORZONERA, OR BLACK SALSIFY

SCORZONERA, OR BLACK SALSIFY. Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. Pkt., 10c; oz., 25c; ¼ lb., 75c.

IMPROVED LONG BLACK (BLACK SALSIFY). This variety is earlier than Black Salsify, it may be planted in the late spring without running to seed; the longer season thus permitting a considerable larger growth of root. Pkt., 10c; oz., 30c.

**PLANT
THE BEST**



**VAUGHAN'S TRIUMPH
SPINACH**

VICTORIA SPINACH

A standard that remains in prime condition two to three weeks after all other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



BUSH FORDHOOK SQUASH

A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety, whether for summer or winter use. The young tender fruit is prepared and cooked like other squashes; or, when stored before frost in a warm dry place, furnish winter squash for table use until the new crop is ready.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

FORDHOOK—Early

Ripens early and is one of the best keepers we know of. Can be kept all through the winter until June. Is very prolific, and nearly bug and borer proof. **Pkt., 10c; oz., 25c; ¼ lb., 55c; lb., \$1.75.**

YELLOW SUMMER CROOKNECK

The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.60.**

VAUGHAN'S STRAIGHTNECK

A Straightneck selection from the Summer Crookneck. Desirable for shipping. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.**

VEGETABLE MARROW

This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy, and should always be used in a young state. Our packages contain cultural directions and recipes for cooking.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.35.

VAUGHAN'S

VAUGHAN'S TRIUMPH SPINACH

This new development in a fine spinach has special points of advantage; it withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warty, and fine and tender when cooked.

Pkt., 5c; Oz., 15c; ¼ lb., 30c; lb., 90c.

BLOOMSDALE OR NORFOLK SAVOY LEAVED

Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers. Vaughan's strain is carefully grown. The most successful and largest growers in the United States plant Vaughan's Norfolk Savoy, which is identical with Bloomsdale.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EXTRA LARGE ROUND LEAF. Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs. for \$6.50.

PRICKLEY SEEDED. Very hardy; sow in fall. This is a fine variety to sow after the summer kinds for late use. **Pkt., 5c; oz., 10; ¼ lb., 25c; lb., 75c.**

BLOOMSDALE. Identical with Vaughan's Norfolk Savoy.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LONG STANDING. Of compact growth with thick deep-green leaves. Slow to seed.

Pkt., 5c; Oz., 10c; ¼ lb., 25c; lb., 75c.

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth. N. Y. favorite.

Pkt., 5c; Oz., 10c; ¼ lb., 25c; lb., 75c.

NEW ZEALAND OR TETRAGONIA. Suited to dry, arid localities where other varieties do badly. Sown early in the spring, it quickly makes a plant 2 to 3 feet high and yields a continuous supply. **Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.50.**

GIANT FILLBASKET. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.10.**

Write for prices on 50 lb. lots and upwards.

SUMMER SQUASH

MAMMOTH WHITE BUSH—Patty Pan

Is an improved selection of the old "Early White Bush," the long highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer, and retains the excellent qualities of the older favorite. Our strain is very select.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

EARLY WHITE BUSH. Very early. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.**

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.**

MAMMOTH GOLDEN YELLOW BUSH. Like Mammoth White Bush. The fruit runs a little larger and has a fine pale-yellow skin, creamy white flesh.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

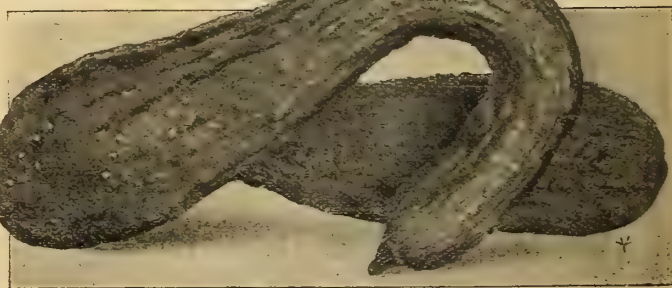
GIANT WHITE SUMMER CROOKNECK. A selection from the old "Summer Crookneck," is somewhat larger, and the skin is ivory white, which adds an attractive appearance to windows where other vegetables are grouped. The flesh is tender and of good flavor. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.**

VAUGHAN'S GIANT SUMMER CROOKNECK

Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruit that is heavily warty and true to type. The flesh is a rich golden yellow, the quality and flavor of which is the very best.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.85.

**VAUGHAN'S GIANT
SUMMER CROOKNECK**



Gardening is an occupation where healthful exercise and practical food production go together.

SPINACH

Including
SWISS CHARD
The ever-growing
Spinach

PLANT
THE BEST

SWISS CHARD—The City Garden Friend

LARGE LEAFED SEA KALE

This vegetable gives maximum returns for little care and space, it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place, for in proportion to ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as spinach or beet tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches apart in the rows. It can be used all Summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. Our packages contain recipes for cooking both the leaves and stalks. An ounce of seed is sufficient for a medium sized family. As it grows, thin out for use and keep clear of weeds. Good cultivation increases the tenderness of the leaves. Gardeners use Swiss Chard as a catch crop, giving quick results on temporarily, idle spaces. The investment is small and returns large.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.40.

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

TWELVE VEGETABLES GIVING MAXIMUM RETURNS. FOR MINIMUM SPACE AND LABOR.

Beans. Stringless Greenpod.
Beets. Vaughans Fire Ball.
Carrot. Early Chantenay.
Sweet Corn. Golden Bantam.
Cucumber. Davis Perfect.
Lettuce. Black Seeded Simpson.

Onion Sets. White Bottom.
Parsley. Vaughan's XXX.
Radish. Scarlet Globe.
Radish. Icicle.
Swiss Chard.
Tomato. Bonny Best.

WINTER SQUASH

THE DELICIOUS—For Quality

A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color; for compact fineness of grain, dryness, richness, and sweetness of flavor, it has no peer. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.85, postpaid.

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

CHICAGO ORANGE MARROW. Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season—Sept. to Jan.; always salable, has handsome shape, smooth orange skin, good size, everyone likes it. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green, the flesh of very superior quality, is light yellow. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

DELICATA. Orange yellow, mottled with spots and stripes of dark green. Flesh, rich and solid, fine keeper and producer. Extra early. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.



DELICIOUS SQUASH

You can increase hand labor results ten fold per day by using IRON AGE Tools.



SWISS CHARD
FOR SUMMER GARDEN

SORREL. Is boiled and served like spinach, also delicious soup is made with it, and it possesses a very fine flavor. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy but the roots should be divided every four years.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.



ORIGINAL HUBBARD SQUASH

Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruit has dark green skin, and often weighs as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick, of superior flavor. If stored right, Vaughan's Strain can be sold in good condition until spring. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.85.

CHICAGO WARTED HUBBARD

Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; these are large size, rough skin, dark green color on the outside. For producers on a large scale, these qualities are needed. Our strain is ideal for the home market, vines are of strong robust growth, fruit is large, grand shape, heavily warted, fine color; flesh fine grained, rich and dry.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.85.

GOLDEN HUBBARD

The best kind for the home garden; the fruit is of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season but keep in fine condition through the winter. The skin is bright deep orange yellow, very attractive in appearance. Flesh is deep golden yellow, fine grained, cooks very dry and has rich flavor.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.85.

GOLDEN BRONZE

Large size, 8 to 10 pounds, grayish green color, good keeper, uniform; its sweet flesh is golden yellow. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

MARBLEHEAD

Prolific, light blue, olive shape, dry and sweet, delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

ESSEX HYBRID

For fall or winter; large broad fruit, large neck or Turk's cap at blossom end. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

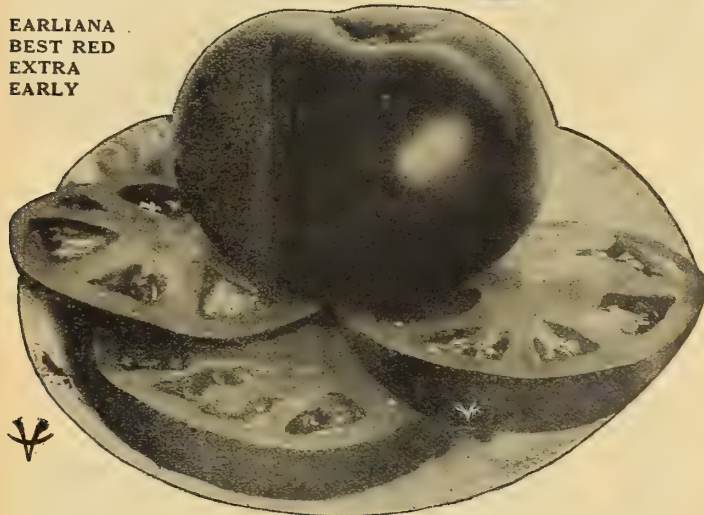
PLANT THE BEST

VAUGHAN'S

Tomato Plants
We have ready about May 15th, carefully grown tomato plants. See page 52 for varieties and sizes.



**EARLIANA
BEST RED
EXTRA
EARLY**



VAUGHAN'S SELECT EARLIANA MOST POPULAR EARLY RED

Vaughan's Earliana is the earliest large, smooth red tomato. In season it ripens with the earliest, it is large, and smooth, bright red, and our strain shows few, if any, of the rough fruit found in large numbers in other early sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. By constant supervision we keep our strain right—our trials show it is without a superior. A leader in Southern shipping trade. Buy our selection of Earliana and get results.

Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.30; lb., \$4.25.

JUNE PINK—The Best Extra Early Pink

In many, perhaps the greater number of markets, a pink early tomato is most desired; this is the earliest of the pink varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find very little rough fruit, and in Western markets where pink tomatoes only sell readily, this is a splendid profit maker. The fruit is of fair size and good quality, and ripens evenly, permitting quick harvesting.

Pkt., 10c; 1/2 oz., 30c; oz., 45c; 1/4 lb., \$1.40; lb., \$4.75.

VAUGHAN'S PONDEROSA

DESCRIPTION OPPOSITE

A SINGLE



CLUSTER



THREE CLOSELY RELATED EARLY REDS

JOHN BAER. A remarkable new variety—only a few days later than Earliana; it yields a much heavier crop of larger, more uniform and more attractive fruits—generally returns the biggest profits of any extra early variety.

Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.40; lb., \$4.75.

BONNY BEST. Regarded as a few days later than Earliana and a shade later than John Baer. Smooth, large and uniform fruit yielding well until frost.

Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.50.

CHALK'S EARLY JEWEL. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best.

Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.50.

ACME—Early (Purple). Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruit ripens early, and the fine, smooth, large tomatoes are produced until frost comes.

Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; lb., \$3.50.

EARLY DETROIT (Purple). The equal of any second Early Purple Tomato. It is a variety maturing medium early in season, having the remarkable feature of bearing uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate even more marketable tomatoes than the popular Beauty, which variety it most closely resembles. The fruit is almost globe-shaped, firm, and ships as well as any variety we know.

Pkt., 10c; oz., 45c; 1/4 lb., \$1.40; lb., \$4.75.

BEAUTY (Purple). Is the most popular of the Large Purple Sorts. Vines large, vigorous and heavy bearers; fruit large, uniform, very smooth purplish pink skin; flesh light pink.

Pkt., 10c; oz., 35c; 1/4 lb., \$1.00; lb., \$3.50.

HUMMER—Early (Red). A globe shaped variety, medium size, smooth, prepared for table without waste. Scarlet color free from cracks. This variety has heavy foliage and should be started, or grown on trellises.

Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.00;

VAUGHAN'S MODEL TOMATO. A handsome dwarf tree variety, potato leaf, foliage very large, broad, dark green, heavily blistered. The fruit is smooth, and of best quality—the color is a brilliant scarlet. It is sure to please in the home garden.

Pkt., 10c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.00.

DWARF ARISTOCRAT. This is a scarlet Dwarf Champion. The Dwarf Champion size, shape, and form is nearly perfect for home use, and with the brilliant scarlet which we get in the Aristocrat little is left to be desired. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it ideal in home gardens.

Pkt., 10c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.00.

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

SUNRISE. Rich scarlet, medium size, solid, delicate flesh. Very prolific. Pkt., 15c; 1/2 oz., 35c.

COMET. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts. Pkt., 15c; 1/2 oz., 30c.

HUBERT'S MARVEL. Scarlet color. Round like an apple. Pkt., 15c; 1/2 oz., 30c.

BEST OF ALL, Sutton's. One of the old standards and very good yielder of small scarlet fruits. Pkt., 10c; 1/2 oz., 25c.

FROGMORE SELECT. Almost round, small seed cavity, bright red. Pkt., 15c; 1/2 oz., 25c.

LORILLARD. One of the best known and popular kinds. Pkt., 10c; 1/2 oz., 25c.

STERLING CASTLE. Small size, uniform and very productive. Pkt., 15c; 1/2 oz., 35c.

LISTER'S PROLIFIC (new). Latest popular English sort. Pkt., 25c.

When largest fruit is desired for show or other purposes, the side shoots should be cut away as they appear, the plant grown as a single vine and staked.

DWARF CHAMPION

We recommend this sort for the home garden with the greatest confidence. Owing to its dwarf habit and upright tree-like growth it is a great favorite; the fruit resembles the main crop variety "Acme." It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff, requiring little support.

Pkt., 10c; 1/2 oz., 25c; oz., 40c; 1/4 lb., \$1.30; lb., \$4.25.

DWARF CHAMPION



TOMATOES

**PLANT
THE BEST**

DWARF STONE—The Largest Dwarf Tomato

This is the largest Dwarf tomato grown; it resembles "Dwarf Champion" in habit, but is of stronger growth and more erect. In shape and size it is similar to "Tall Stone". The fruit is red, and specimens weighing 1 pound are quite common. In season Dwarf Stone is almost as early as "Dwarf Champion," but the fruit is the size of the last named sort. Fruit ripens evenly, is solid, free from cracks at the stem and has excellent quality. Amateurs not accustomed to training vines, find Dwarf Stone a splendid sort, because of the dwarf habit and robust growth of the vines.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; lb., \$4.75.

PONDEROSA—The Giant Tomato

Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches 1 pound in weight. Tomatoes grow in beautiful uniform clusters—see illustration. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.

Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; lb., \$6.50.



The Dwarf or Tree Tomatoes take up less room in the garden than the tall sorts and require no staking. Best sorts are Dwarf Aristocrat, Dwarf Champion and Dwarf Stone.

**DWARF
STONE**

PONDEROSA—The Giant Tomato

Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches 1 pound in weight. Tomatoes grow in beautiful uniform clusters—see illustration. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.

Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75; lb., \$6.50.



STONE IMPROVED

"KING OF THE REDS"

This is the very best of the main crop varieties. By careful re-selection for heavy yield, large size and fine appearance, we have secured these qualities. The smooth skin, small core, fruit with fine flesh of almost beefy flavor, delight the eater and bring joy to the grower. Canners plant this variety for their main crop—and market gardeners catering to a RED market find it their most profitable sort.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.



**VAUGHAN'S
IMPROVED
NEW STONE**

**VAUGHAN'S STONE
IMPROVED**

GLOBE TOMATO

A BALL-SHAPED TYPE

This new Globe or Ball Shaped tomato is ideal for the home garden; it is excellent for slicing without waste, one slice like another. The rich, juicy, meaty, tomato flavor gives a certain zest and joy in the eating. The vines ripen the first fruit with the second earlies, they yield a heavy crop and continue to bear until frost. The skin is glossy, smooth and a lovely red, the flesh is firm and has few seeds. We offer a carefully re-selected strain.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

NEW GLOBE



MATCHLESS. Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct, desirable sort. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; lb., \$4.75.

CREAM CITY. This is one of the very first large tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack or rot. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

VAUGHAN'S TALL CHAMPION. An extremely strong grower and heavy bearer; the fruit is like "Dwarf Champion" in color and smoothness, but runs a little larger in size, averaging 2¼ inches thick and 3¼ inches broad. It is very hardy and very prolific, one of the most desirable sorts for both home and market use. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

ENORMOUS. Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through the fruit at once. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

CORELESS TOMATO. A late red, most perfect shape, best suited to southern and central states; requires long season to mature. The productive vines bear clusters of 4 to 7 tomatoes. Splendid for markets demanding red tomatoes and for home garden and canners. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40.

CRIMSON CUSHION or Beefsteak. Is very large, round and regular; bright scarlet skin, flesh solid best quality, seed cells small and few. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.60.

MAGNUS. An early main crop; strong growing vines, with short joints, placing the fruit clusters close together; a heavy cropper. Fruit is globe shape, and ripens evenly. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

SMALL FRUITED TOMATOES

Very desirable for pickles and preserves.

TWO PEACH TOMATOES. Peach shape and color. Red or Yellow, each.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35.

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long, 1 inch through; the first is bright lemon yellow, the other, plum red. Solid flesh, fine quality.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35.

YELLOW AND RED PEAR. Distinct shape. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35.

RED CHERRY. Small fruit, bright scarlet. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35.

RED CURRANT. Very small. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35.

HUSK or Strawberry. The small yellow fruit is enclosed in a husk. They are very sweet, prized for eating, preserving and making pies. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

OTHER STANDARD SORTS

Per pkt. 10c, of any of the following:

	½ oz.	oz.	¼ lb.	lb.
Atlantic Prize. Early Red...	20c	35c	\$1.00	\$3.50
Buckeye State. Large purple.	20c	35c	1.00	3.50
Early Freedom. Very early...	20c	35c	1.00	3.50
Early Michigan. Early Red...	20c	35c	1.00	3.50
Favorite. Early, smooth, red, good shipper.....	20c	35c	1.00	3.50
Golden Queen. Brick yellow...	25c	40c	1.30	4.25
Honor Bright. Best shipper...	20c	35c	1.00	3.50
Imperial. Early purple...	20c	35c	1.00	3.50
Perfection. Solid flesh; blood red; late; a favorite...	20c	35c	1.00	3.50
Trophy. Old standard; late.	20c	35c	1.00	3.50

**PLANT
THE BEST**

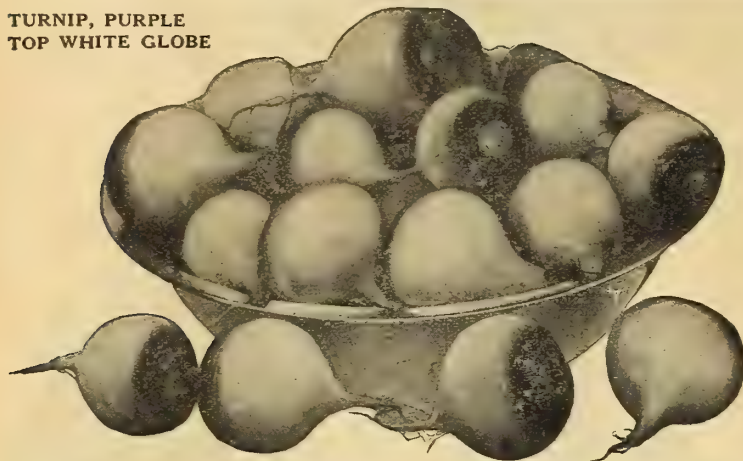
Mangels in favorable weather will mature in 140 to 150 days from seed-sowing. Plough deep and apply farm yard manure freely.

**WHITE FLESH
VARIETIES**

VAUGHAN'S

GARDEN OR

**TURNIP, PURPLE
TOP WHITE GLOBE**



PURPLE TOP WHITE GLOBE

Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good producer and fine keeper. Splendid for table—tip top for stock.
Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

EXTRA EARLY PURPLE TOP MILAN

An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

EARLY WHITE MILAN is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet.
Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

WHITE FLAT DUTCH, a very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern states; is medium sized, sweet, tender and desirable for table use. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

EARLY SNOWBALL. Small, white, grows quickly, splendid table quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**MANGELS OR STOCK BEETS
BARRE'S SLUDSTRUP**

Holds the world's record for dry matter contents. This Mangel has been awarded a first-class certificate several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far exceeds any other variety in both the weight and feeding value of yield. Our seed is from the best Danish growers. Oz., 10c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

VAUGHAN'S MAMMOTH LONG RED. Largest and heaviest cropper of all the long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, with bright red skin and white flesh veined with pink. Grows well up above the ground; easy to harvest. Splendid dairy feed.
Oz., 10c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

GOLDEN TANKARD. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Usually grows very nutritious.
Oz., 10c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

GIANT YELLOW INTERMEDIATE. Between the long and globe sorts in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils.
Oz., 10c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

CHAMPION YELLOW GLOBE. Skin a rich yellow, flesh white and solid; grows two-thirds above ground; hence the best for shallow soils. Good keeper.
Oz., 10c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

GIANT YELLOW ECKENDORF. One of the most popular European varieties, contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots weigh 15 to 20 pounds each, cylindrical in form, the greater portion grows above ground and are easily harvested.
Oz., 15c; ¼ lb., 40c; lb., 1.25; 5 lbs., \$5.00.

GIANT ROSE HALF SUGAR. Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but have white skin and flesh. Highly nutritious and a big producer. Oz., 10c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

SUGAR BEETS—Fine for Stock

The kinds offered below are grown from roots whose test analysis showed high sugar contents.

VILMORIN'S IMPERIAL. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, with 1-6 per cent sugar.
Oz., 15c; ¼ lb., 40c; lb., \$1.35. By express—5 lbs., \$6.00.

KLEIN-WANZLEBEN. Wedge shape, tapering to long tail.
Oz., 15c; ¼ lb., 40c; lb., \$1.35.

LANE'S IMPROVED. Heavy yielder; flesh snow white.
Oz., 15c; ¼ lb., 40c; lb., \$1.35. By express—5 lbs., \$6.00.

FRENCH RED TOP SUGAR. Famous in France for sugar per cent.
Oz., 15c; ¼ lb., 40c; lb., \$1.35; 5 lbs., \$6.00.



**VAUGHAN'S
IMPROVED
RUTABAGAS**

**FREE BOOKLET
ON ROOT CROPS**

ROOT CROPS

Root crops are a great necessity for all kinds of stock, and fowl too, root feeding not only gives high class tissue-building substance to the body, but acting also as a tonic, keeping in healthy condition the digestive organs and maintaining general good health. As a nutrient body-builder, root crops should be consistently and regularly fed to all stock; and where such is done, results will show themselves not only in the healthful appearance

CARROTS FOR STOCK—Best for Horses

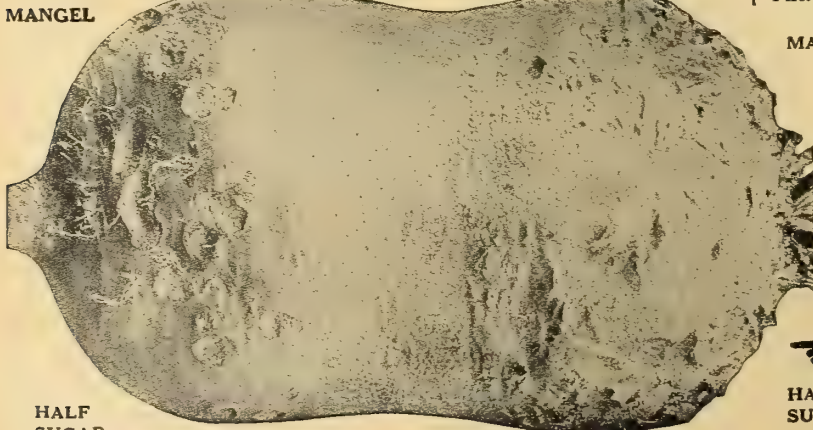
Carrots are very valuable for all kinds of domestic animals and best for horses. When fed alternately with oats to work-teams on the farm, the value of Carrots is equal to the Oats they displace.

MASTODON OR WHITE INTERMEDIATE. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; 5 lbs., \$4.50.

LONG WHITE BELGIAN. Similar to Long Orange except in color.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.20; 5 lbs., \$4.75.

GROWN FOR STOCK

**IT MAKES THEM
GROW, FATTEN
AND ENRICH
THE STOCK-
MAN'S
PURSE**



MANGEL

**HALF
SUGAR**

MANGEL

**ALL STOCK
THRIVE ON
THESE**

**HALF
SUGAR**



**MANGEL
BARRE'S SLUDSTRUP**

TURNIPS

WHITE
AND YELLOW
VARIETIES

Sow all Root Crops in drills, 2 feet apart, and thin out to 9 inches in the rows. It requires 5 lbs. of Mangel Seed and 4 lbs. of Turnip or Rutabaga to sow an acre with a machine.

PLANT
THE BEST

TABLE VARIETIES

PURPLE TOP STRAP-LEAVED

Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh, fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

GOLDEN BALL or Orange Jelly. Medium size, globular table turnip. Season early. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

TETLOW. Small in size; a German delicacy of remarkable quality. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.75.

LARGE YELLOW, or AMBER GLOBE. Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

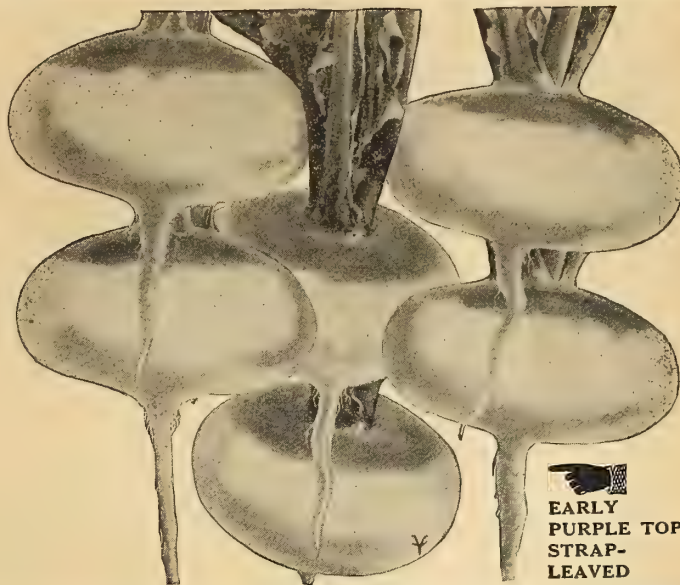
TABLE RUTABAGAS

VAUGHAN'S IMPROVED. One of the best flavored of all. See description below. Pkt., 10c; Oz., 30c; ¼ lb., 60c; lb., \$2.00.

LAING'S GARDEN RUTABAGA. Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

WHITE SWEDE. White, solid. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

SWEET GERMAN. A fine table sort, white flesh, excellent keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.



EARLY
PURPLE TOP
STRAP-
LEAVED



PURPLE TOP MILAN

WHITE FLAT
DUTCH

SWEDES AND RUTABAGAS—for Stock

A profitable and highly nutritious crop to grow for winter feed for all Farm Stock and Fowl. The smaller roots can also be used as a table vegetable, are somewhat coarser than those recommended above but are valuable for winter storing.

VAUGHAN'S IMPROVED AMERICAN PURPLE TOP is from stock of a purple top; largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. One of the most profitable to grow on account of its great yield of large solid roots, which make excellent winter feed for all farm stock. Excellent table quality. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

MONARCH. A stock crop for early feeding, oblong shape, yellow flesh, fine grain, fine flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

RHODE ISLAND ROCK. Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.40.

VASSAR. This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

CARTER'S IMPERIAL. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

SKIRVING'S. Large yellow. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

BREADSTONE. Medium size, white roots. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.00.

BANGHOLM DANISH. Yellow flesh, purple top with small neck. Danish pedigree seed. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

SUTTON'S CHAMPION. Round, big yielder, yellow flesh.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

LARGE FIELD TURNIPS—for Stock

COW HORN or LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00

WHITE EGG. Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

POMERANIAN WHITE GLOBE. Large, good both for table and stock.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

LARGE WHITE NORFOLK. Globular, late, solid.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

YELLOW ABERDEEN. Large globe-shaped table and stock variety.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

FOR STOCK

ASK WHEN
ORDERING

and physical fitness of the stock, but also in their profit-making increase of weight, and in dairy animals, enriched milk. The following succession in spring will furnish succulent feed from September to April; Turnips, Rutabagas, Mangels, the latter not being in condition to use before January. Roots should be chopped or sliced and fed with other forage.

VAUGHAN'S HALF LONG DANVERS. Another broad-shoulder variety. Round stump rooted and a wonderful producer. Fine for stock, Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25. By express—5 lbs., \$5.00.

IMPROVED LONG ORANGE. Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for stock, also good table variety. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25. By express—5 lbs., \$5.00.

LONG ORANGE BELGIAN. Best long variety. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.20.

TABLE ROOT CROPS—FOR STORING IN THE CELLAR

At no time are vegetables more needed, and incidentally more expensive, than in winter. If you have a cellar, barn or other suitable place where you can store root crops, let your garden produce these; they are easily grown and they make wholesome, delicious, nourishing food.

Include this collection in your next order.

Winter Storm Collection. Eight Packets. One each of the following:

RUTABAGAS, Vaughan's Improved

and Laing's Swede Garden;

TURNIP, Large

Yellow and Purple

Strapleaf; CAR-

ROT, Danvers;

PARSNIP, Marrow-

fat; BEETS, De-

troit and Egyptian.

Collection No. W8

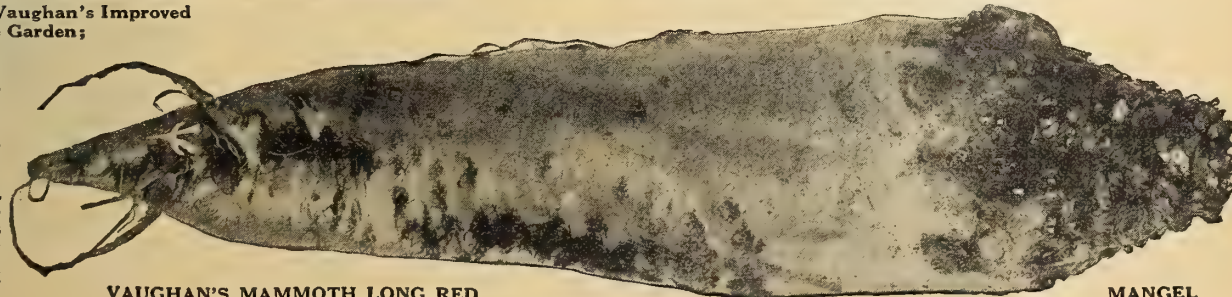
The above eight

packets, with booklet

telling how to grow

and store;

postpaid. **35c**



VAUGHAN'S MAMMOTH LONG RED
Enriches the Milk of Dairy Stock

MANGEL

**PLANT
THE BEST**

VEGETABLE PLANTS



SEEDLING TRANSPLANT POT PLANT

The above illustration shows the bushy, vigorous Tomato pot plant as compared with a Transplant and Seedling of the same height.

PEPPER. Ready about May 15th.

Vaughan's Sweet Mountain, Magnum Dulce and Cayenne.	Prepaid Doz. 100	Not Prepaid Doz. 100
Transplanted Plants	\$0.30 \$1.75	\$0.25 \$1.50
2-inch pots		.50 3.50

TOMATO. Ready about May 15th.

Earliana, Dwarf Champion, Dwarf Stone, Beauty, New Stone, Ponde- rosa, John Baer and Yellow Ponderosa.	Prepaid Doz. 100	Not Prepaid Doz. 100
Transplanted Plants	.30 1.75	.25 1.50
2-inch pots		.50 3.50

SWEET POTATOES. Ready about May 20th.

100 for \$1.00, prepaid.
Yellow Jersey, Red Jersey. 250 for \$2.00; 1000 for \$6.00 by exp.
at buyer's expense.

NOTICE—Although we exercise the greatest care in the packing and dispatch of Vegetable Plants, we cannot guarantee safe delivery. Our responsibility ends on delivery to Postoffice or Express Co. No Plants sent C. O. D.

WITH our large Greenhouses and Frames at Western Springs we are able to grow plants in large quantities and of extra quality. We also contract with careful hot-bed growers to guard against failures.

Note dates at which we ship out the different kinds of plants. Please make shipping date on your order agree with our dates on this page. For southern customers we make slightly earlier shipments.

At New York we make a specialty of pot-grown plants, carefully grown and hardened off. We handle transplants at Chicago only.

CABBAGE. Ready about April 20th.	Prepaid Doz. 100	Not Prepaid Doz. 100
Early Sorts. Transplanted Plants	.30 1.75	.25 1.50
2-inch pots		.50 3.50

Late Varieties and Savoy. Ready in May and June.

Transplanted Plants	.30 1.75	.25 1.50
2-inch pots		.50 3.60
Red Cabbage. Transplanted Plants	.30 1.75	.25 1.50
2-inch pots		.50 3.50

CAULIFLOWER. Ready about Apr. 20th

Vaughan's New Snowball. Trans- planted Plants	.30 1.75	.25 1.50
2-inch pots		.50 3.50

CELERY. Ready June 15th.

Transplanted Plants	.20 1.05	.15 .85
250 for \$2.00; 500 for \$3.50; 1000 for \$6.00, not prepaid.		

Early Varieties.

White Plume, Golden Self-Blanching, Giant Golden Heart.

Late.

Winter Queen, Easy Blanching.

EGG PLANT. Ready about May 15th.

New York Purple Improved. 2-inch pots	.60 4.00
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We supply Pot Plants only from New York.

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom.

HERBS

Herbs should be gathered and dried quickly in the shade, then packed closely in boxes away from the action of the elements.

Varieties preceded by an * are perennials.

Anise. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 25c.

***Balm.** Used for making Balm wine and tea. Pkt., 5c; oz., 25c.

Basil, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 5c; oz., 25c.

Bene. The leaves immersed in a tumbler of water make a drink very beneficial in cases of dysentery. Pkt., 10c; oz., 40c.

Bohnenkraut. See Summer Savory.

Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 5c; oz., 20c.

Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 5c; oz., 20c.

Catnip or Catmint. Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; oz., 35c.

Chamomile (Matricaria Chamomile). The dried flowers possess medicinal value. Prescribed by physicians as an emetic and vermifuge. Pkt., 10c.

***Chives.** Used for seasoning. Seed, pkt., 15c; ½ oz., 85c; oz., \$1.50. See page 97 for clumps.

Coriander. The seeds are used for flavoring. Pkt., 10c.

Dill. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 15c; ½ lb., 50c; lb., \$1.50.

***Fennel.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 5c; oz., 15c.

Fennel (Florence). An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 5c; oz., 20c; ¼ lb., 50c;

***Henbane.** The growing plants are supposed to absorb malaria. Pkt., 5c; oz., 25c.

***Hop Seed.** Pkt., 10c.

***Horehound.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 5c; oz., 20c.

Hyssop. The tops and flowers are used for Hyssop tea. Pkt., 5c; oz., 20c.

***Lavender.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. Two kinds.

True Lavender (Lavandula vera). The best. Pkt., 10c.

Lavandula Spica. Not quite so strong. Pkt., 5c; oz., 20c; lb., \$1.75.

Lavender Plants. Give much better results than seed. 20c each; doz., \$2.00. By mail add 5c per plant, 20c per doz.

Marjoram (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 5c; oz., 25c.

***Mint.** For mint sauce and juleps. Field Roots, each, 10c; doz., \$1.00. 4 in. pots, each, 15c; doz., \$1.50. Large plants (by express), 50c each; doz., \$4.00. By mail add 5c each; 20c doz.

Pennyroyal. Leaves are used for seasoning puddings and various dishes. Pkt., 10c.

Peppermint. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. Sold out.

Pimpinella (Burnet). The young tender leaves are used as salad; they have a flavor resembling cucumbers. Pkt., 5c; oz., 20c.

Rosemary. The leaves are used for seasoning. Pkt., 10c.

***Rue.** For medical purposes, good for fowls for the roup. Crop failed.

Saffron. Used for coloring certain dishes, also flavoring. Pkt., 5c; oz., 10c.

Sage (Holt's Mammoth). The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter. They are perfectly hardy and make a still larger growth the second season. Plants each, 15c, 3 for 40c; doz., \$1.50. By mail, add 5c each; doz., 20c.

Sage Seed. Leaves and tops are used for seasoning and stuffing. Pkt., 10c; oz., 40c.

Summer Savory. The leaves and young shoots are used for flavoring, especially for boiled stringbeans. Pkt., 10c; ½ oz., 20c.

Tagetes Lucida. This possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. Pkt., 5c; ½ oz., 25c.

***Tarragon (Artemisia Dracunculus).** For vinegar making. The leaves, dried or fresh, are steeped in ordinary vinegar. A hardy perennial. Plants only. First size, 25c each; doz., \$2.50; 2nd size, 20c each; doz., \$2.00. By mail, add 5c ea.; doz., 20c.

Thyme. Used for seasoning; a tea is also made for nervous headache. Pkt., 5c; ½ oz., 15c; oz., 30c.

Waldmeister (Asperula Odorata). Used in May Wine and also for scenting clothes. Pkt., 10c.

***Wormwood.** Beneficial for poultry; should be planted in poultry yards. Pkt., 5c; oz., 35c.



**SWEET MARJORAM
(Marjoran, Marjolain)**

FANCY GRASS SEED

**PLANT
THE BEST**

**HIGH GRADE—RE-CLEANED
Makes Best Lawns and Pastures**

MONEY SAVING ON GRASSES

In the sowing of a pasture or lawn, it will be found economical in the end to seed the best. The cost over poorer seed is at the most, only a small part of the actual investment. We say this, not to advocate high prices, because high prices and high quality, particularly in the grass seed line do not always go together. We do want, however, to call attention to and protest against the many sellers of seed who cover sham and deceit with the hypocritical cloak of low price. No one can conduct a business and continue in it without earning an adequate profit; such profits, however, should not be made by a cut in quality to compete at a slightly lower price with better goods.

Vaughan's Seed Store offers grass seeds at a price that is just, based upon the quality offered. No better evidence of this truth is furnished than our furnishing year after year in actual growing tests, grass seeds to parks and cemeteries in ton lots at prices much higher than department stores and others supply in single pound lots.

We purchase our grass seeds where we know the best is produced. Our business locations—Chicago, the greatest grass seed distributing center in the world, and New York City—the greatest importing center, gives us a great advantage with regard to prices and stocks.

Our Seed Test Laboratory, where all our samples are tested for purity and germination, is under the direction of a trained seed expert. We invite analysis and tests in comparison with seeds offered by other houses. We are always pleased to send samples and our own analyses and germination reports to prospective purchasers.

FANCY KENTUCKY BLUE GRASS (*Poa Pratensis*)

Is the greatest of all pasture grasses for America; particularly on limestone soils. All live stock like it and thrive and fatten upon it. It requires time to establish itself and should be grazed on lightly for the first two years. The time of sowing depends upon locality. In some sections **Early Spring** and again in **June**; others in the **Fall** is best.

Sow 3 bushels (14 lbs. to bushel) per acre. Vaughan's re-cleaned, the highest grade of this grass seed that perfect growing and careful cleaning can produce, is the best that can possibly be procured. It is pure and of high germination.

Extra Fancy Sun-dried Seed, twice re-cleaned; very high germination. Actual weight, 25 lbs. per bu., sold at legal weight (14 lbs. per bu.), 1 lb., 40c; 5 lbs., \$2.15; 10 lbs., \$3.75; 100 lbs., \$35.00. **Fancy Seed**, actual weight 21 lbs. per bu., sold at legal weight (14 lbs. per bu.) 1 lb., 35c; 5 lbs., \$3.25; 100 lbs., \$30.00.

AGROSTIS TENUIS

(Rhode Island Bent Grass)

This valuable lawn grass resembles "Red Top" in appearance but has shorter leaves; it makes a fine colored, close turf, and adapts itself readily to any soil, in which respect it also resembles "Red Top."

It is much in use in the New England States, for lawns and permanent meadows and pastures; for these it is very valuable. For lawns, sow in Spring 3 to 4 bushels per acre. We offer American grown seed this year, (14 lbs. to bushel.) 1 lb., 60c; 10 lbs., \$5.25; 100 lbs., \$48.00.

CREeping BENT GRASS

(European Mixed Bent)

The long creeping stems and spreading habit of this splendid grass make it ideal for Golf Links putting greens; it makes a lasting turf that withstands hard usage.

The leaves are fine and develop a dense growth, making it valuable for bottom lands and slightly sandy soil. Makes excellent hay and splendid pastures. (14 lbs. to bu.) Sow in Spring 50 lbs. to acre. If European Embargo lifts, may be able to offer. Write us.

ENGLISH BLUE GRASS

(*Festuca Pratense*, or Meadow Fescue)

A native of Europe, it has become thoroughly naturalized here. The grass is a very permanent one and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow in the Spring 1½ bushels to the acre. Bu., 20 lbs. 1 lb., 45c; 10 lbs., \$3.75; 100 lbs., \$35.00.

BERMUDA GRASS (*Cynodon Dactylon*)

The grass for Southern Lawns and pastures; hard to kill, resists draught; should only be planted for permanency; won't grow in shade.

Sow in spring 15 lbs. to acre. (30 lbs. to bushel), 1 lb. 55c; 10 lbs. \$5.00.

BROMUS INERMIS

(Awnless Brome Grass)

Successful on acid soils, very strong, thick growth, making two big crops. Cut in bloom, it nearly equals Timothy. It prevents washing on banks of streams; is hard to eradicate—fine pasture. Sow in Spring, Vaughan's extra cleaned seed. 2 bushels per acre, (14 pounds to bushel). 1 lb., 40c; 10 lbs., \$3.25; 100 lbs., \$30.00.

CYNOSURUS CRISTATUS

(Crested Dogstail)

In all good lawn grass mixtures, it thrives in all soils, but best in rich moist soil. Makes smooth, close, fine, sward and in England is in demand for Putting Greens.

With Kentucky Blue Grass it gives splendid results; does well as a grass for shade, all good shade lawn grass mixtures should include a proportion of this. For lawn it should be sown in spring with other grasses, 5 lbs. to acre; (21 lbs. to bushel), 1 lb. 35c; 10 lbs. \$3.00; 100 lbs. \$28.00.



TURNING GRASS INTO MUTTON

RED TOP GRASS—*Agrostis Alba*

This grass is especially adapted to moist soils, it will root where other fine grasses would fail.

It is recognized by leading farmers and stock men as one of the most valuable grasses for pastures and meadows.

As hay, it not as nutritive as Timothy but grown for hay and then pastured, it has no equal. Sow in spring or fall with or without a nurse crop. One bushel of chaff or unhulled Red Top, or one-half bushel of fancy seed is enough to sow an acre. For lawn mixture with other grasses it is in great demand. This fine grass makes a dense and resilient turf.

Extra Fancy re-cleaned solid seed (32 pounds per bushel), 1 lb. 25c; 10 lbs. \$2.25; 100 lbs. \$20.00.

Common or Unhulled (bushel, 14 lbs.), 1 lb. 15c; 10 lbs. \$1.35; 100 lbs. \$12.00.

ALOPECURUS PRATENSIS

(Meadow Foxtail)

A mixture for any permanent pasture should contain a sample of this grass, which is valuable for moist meadows and pastures, particularly the latter. It does not reach maturity for 2 or 3 years, therefore it is not sown alone.

Sow in Spring 2 to 3 lbs. per acre with other grasses. Our seed weighs (7 lbs. to bu.), 1 lb., 60c; 10 lbs., \$5.50; 100 lbs., \$50.00.

ANTHOXANTHUM ODORATUM

PUELLI (Sweet Vernal Grass)

Sow half to one pound per acre with other grasses in the Spring. 10 lbs. to the bushel. 1 lb., 45c; 10 lbs., \$4.00; 100 lbs., \$35.00.

Anthoxanthum Odoratum (True Sweet Vernal). A perennial. 1 lb., 60c; 10 lbs., \$5.50; 100 lbs., \$50.00.

AVENA ELATIOR

(Tall Meadow Oat Grass)

An excellent meadow grass for winter grazing, and hay for Southern States and dry climates; should be sown with other grasses as it does not alone, form a compact turf.

Sow in Spring or Fall 3 bushels per acre, our seed is (13 pounds to bushel) 1 lb., 40c; 10 lbs., \$3.75; 100 lbs., \$33.00.

POA COMPRESSA

(Canadian Blue Grass)

A hardy grass with dense creeping root stalks. Adapted to all soils. Recommended for the Eastern and Middle States for pasture and dairy use. Sow 3 bushels of seed to the acre in the Spring. (14 lbs. to the bushel.)

Price, 1 lb., 25c; 10 lbs., \$1.85; 100 lbs., \$15.50.



RED TOP

FESTUCA OVINA (Sheep's Fescue)

A good grass for up-land pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permit its use for lawn purposes. Sow in Spring 35 lbs. to the acre; (12 lbs. to bushel.) 1 lb., 40c. Seed very scarce on account of European embargo.

HARD FESCUE (*Festuca Duriuscula*)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow in Spring 30 lbs. to the acre; (12 pounds to bushel.) 1 lb., 40c. Seed very scarce on account of European embargo.

FESTUCA HETEROPHYLLA

(Various-Leaved Fescue)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf. Sow in Spring 40 lbs. to the acre. (Bu., 15 lbs.) Price, 1 lb., 50c. Seed very scarce on account of European embargo.

To **Golf Clubs** desiring large quantities of seed we make special prices. Quality considered, we can and will meet any competition.



KENTUCKY BLUE GRASS

**PLANT
THE BEST**

VAUGHAN'S GRASSES

GOOD PASTURES RESULT FROM GOOD SEED



TIMOTHY (Phleum Pratense)

One of the best grasses for hay or pasture. Withstands extremes of heat and cold.

The most popular of all hay grasses. Price is reasonable. A stand is easily secured; growth is rapid and the hay produced commands the highest market figure. An especially valuable feature of Timothy is its hardness and its ability to withstand both heat and cold. Timothy sown alone is "hard" on the soil and should be followed with a dressing of manure. The vast majority of farmers now sow clover either Medium Red or Alsike with Timothy to replenish the soil with the nitrogen taken by the Timothy. Timothy demands good, rich, rather heavy land.

Prices.—Chicago is the world's Timothy center. We have the opportunity and avail ourselves of it, to pick the cream of the crop of the country. Our samples are the best—tested for purity and germination—and prices the lowest.

Vaughan's Fancy Seed (V) Brand, 99.5 pure. Lb. 20c; 10 lbs. \$1.50; 100 lbs. \$12.50. Vaughan's Choice Seed. Lb. 15c; 10 lbs., \$1.35; 100 lbs. \$11.80. Grain bags 65c each extra.

FESTUCA RUBRA (Red or Creeping Fescue)

An excellent bottom grass for pastures and especially for those which are quite shaded. For a lawn is unsurpassed and should be included in all shade mixtures. Sow in spring 30 lbs. per acre; 14 lbs. to the bushel. Seed short on account of European Embargo. Lb., 50c. Write for prices on larger quantities.

CHEWING'S FESCUE (New Zealand Grown)

A good substitute for Red Fescue.
Lb., 50c; 10 lbs., \$4.25; 100 lbs., \$40.00.

FESTUCA TENUIFOLA (Slender Fescue)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Sow in spring 30 lbs. to the acre; 22 lbs. to the bushel. Lb., 50c. European Embargo on this seed.

JOHNSON GRASS (Andropogon Halepensis)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. Sow in spring 1½ bushels per acre; 25 lbs. to the bushel. Lb., 55c; 10 lbs., \$4.75; 100 lbs., \$45.00.



IMPROVE YOUR LAND BY PLANTING CLOVER

LOLIUM ITALICUM (Italian Rye Grass)

Likes a rich, moist, loamy soil where the grass does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Withstands extremes of temperature and remains green throughout the winter. Valuable in lawn grass mixtures demanding immediate effect. Sow in spring, 60 to 70 lbs. per acre. 18 lbs. to the bushel. Price, lb., 30c; 10 lbs., \$2.25; 100 lbs., \$20.00.

LOLIUM PERENNE (English or Perennial Rye Grass)

Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soil best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow in spring, 60 to 70 lbs. per acre.

Extra Heavy Seed. Lb., 30c; 10 lbs., \$2.25; 100 lbs., \$20.00. Standard Weight, 24 lbs. to the bushel. Lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.

(ORCHARD GRASS—Dactylis Glomerata)

A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Wet soils do not suit it. Not recommended for lawn mixtures as it grows in tufts and leaves bare spots. Sow in spring, 25 to 30 lbs. per acre. 14 lbs. per bushel. 1 lb., 45c; 10 lbs., \$3.75; 100 lbs., \$35.00.

POA TRIVALIS (Rough-Stalked Meadow Grass)

A perennial species closely related to Kentucky Blue Grass. Does best in moist, cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow in spring, about 15 to 20 lbs. to the acre. 14 lbs. to the bushel. Price, lb. 50c; 10 lbs. \$4.50; 100 lbs. \$42.00.

POA NEMORALIS (Wood Meadow Grass)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. Sow in spring, 30 to 35 lbs. per acre. 14 lbs. to the bushel. Price, lb., 60c; 10 lbs., \$5.50; crop short on account of European Embargo.



RED FESCUE

Clovers and Other

FANCY MEDIUM RED CLOVER

The high price of grain will, of course, attract a great many farmers again this year and soiling crops like clover may be neglected—but farmers should certainly consider the question seriously before they ignore at least a portion of their regular seeding. We are very proud of our fancy samples of clover this year. Purity, color and germination of the highest possible standard. We invite comparison on a basis of quality. The market on clover seed changes daily and the prices quoted here represent the market on the day this book went to press. Write for latest price.

Fancy Seed, lb., 50c; 10 lbs., \$4.75; bu., \$27.50; 100 lbs., \$45.00. Grain Bags 65c each extra. Choice Grade, for less money—Write for prices.

MAMMOTH RED CLOVER

Should be included in all permanent grass mixtures, especially on heavy and medium soils. Flowers later than Medium Red Clover, is hardier and not so liable to winter kill. It produces an abundance of clover hay of the very best quality and always secures the best market prices.

Sow in the spring 8 to 10 lbs. of seed per acre.

Fancy Seed, lb., 50c; 10 lbs., \$4.85; bu. (about 60 lbs.), \$28.00; 100 lbs., \$46.50. Grain Bags 65c each extra on Clover.

For other Clovers see page 56.

FOR LAWN and PASTURE

**PLANT
THE BEST**

PASTURES THAT STOCK THRIVE ON



VAUGHAN'S HAY AND PASTURE SPECIAL GRASS MIXTURES

We have succeeded in these **Special Mixtures** in producing a heavier, thicker and longer continued growth of grass than when only one or two kinds are sown. We use in each mixture choice re-cleaned seeds of all kinds named. There are many so-called pasture mixtures on the market made from inferior grades of uncleaned seeds. Our numbers as below represent five mixtures most in demand

and which have well pleased our customers. These mixtures mean quality with us. If you desire a lower priced mixture send us your idea of proportions and we will estimate. Don't take a poor article to save a little on price. It does not pay. Another thing, don't let any one persuade you to sow too thinly. At least 25 to 35 lbs. per acre should be used of most of these.

MEADOW MIXTURES

No. 1. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET

This is composed of the following grasses and clovers, properly blended.

Fancy Red Top. Perennial Rye
Tall Meadow Oat Grass.
Grass. Timothy.
Orchard Grass. Red Clover.
Chewing Fescue. Alsike Clover.

Price 10 lbs., \$2.50; 35 lbs. (about enough for 1 acre), \$7.25; 100 lbs., \$20.00.

No. 2. ADAPTED FOR THE CONDITIONS INDICATED ABOVE

This mixture is composed of the following grasses and clovers:

Fancy Red Top. Timothy.
Tall Meadow Oat Grass. Meadow Grass
Grass. :
Crested Dog's Tail. Red Clover.
Orchard Grass. White Clover.
Chewing Fescue.

Price 10 lbs., \$3.00; 35 lbs. (about enough for 1 acre), \$9.00; 100 lbs., \$25.00.

FARM BOOKS YOU SHOULD HAVE

Alfalfa by F. D. Coburn.....\$0.50
Farm and Garden Rule Book by Bailey; cloth, 587 pages..... 2.00
Farm Gardening and Seed Growing by Orange Judd..... 1.00
Irrigation for the Farm, Garden and Orchard by Stewart..... 1.00
Prices include postage

Leguminous Crops

COW PEAS—Great Soil Improver

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. For those in the North who have not had the best success with this plant, a warm, sandy soil will give decided advantage. Where never grown before, drilling in and cultivating at first, as for field beans, is the best way to start.

NORTHERN GROWN COW PEA. Michigan Favorite. A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin.

Pk., \$1.40; bu., \$5.00. New York, pk., \$1.50; bu., \$5.50.

SOUTHERN BLACK EYE. Pk., \$1.40; bu., \$5.00.

WHIP-POOR-WILL. Pk., \$1.35; bu., \$4.50.

NEW ERA. Pk., \$1.35; bu., \$4.50.

All Cow Peas, 30c per quart of about 2 lbs.

Write for latest market price on quantity of any of the above. Burlap bags included.



MEADOW MIXTURES

No. 3. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET

This mixture contains suitable proportions of the grasses noted below to insure a satisfactory plant.

Tall Meadow Oat Grass. Meadow Foxtail.
Grass. Kentucky Blue
Red Top. Grass.
Orchard Grass. Timothy.
Chewing Fescue. Red Clover.
White Clover.

Perennial Rye Grass.
Price 10 lbs., \$3.00; 35 lbs. (about enough for 1 acre), \$9.00; 100 lbs., \$25.00.

NO. 4. ON DRY LAND

We have experimented for several years and our experience indicates that the undermentioned grasses thrive the best on dry soils.

Red Clover. Timothy.
White Clover. Chewing Fescue.
Perennial Rye Grass

Kentucky Blue Grass. Orchard Grass.
Tall Meadow Oat Grass. Rhode Island Bent Grass.
Price, 10 lbs., \$3.10; 35 lbs., \$9.25; 100 lbs., \$26.00.

NO. 5. ON WET LAND

Our tests show that the grasses contained in this mixture have given satisfactory results on heavy soils.

Orchard Grass. Rough-Stalk Meadow Grass. Alsike Clover.
Timothy. White Clover. Meadow Fescue.
Meadow Foxtail. Kentucky Blue Grass. Fancy Red Top.
Perennial Rye Grass.

Price, 10 lbs., \$2.50; 35 lbs., \$7.25; 100 lbs., \$20.00.



A FIELD OF COW PEAS

Plowed under, a great soil enricher; or cut, makes fine hay

**PLANT
THE BEST**

VAUGHAN'S ALFALFA

NO CROP PAYS SO CONTINUOUSLY AND

ALFALFA OR LUCERNE

Grain bags holding 150 lbs., 45c each extra.

Of this most valuable of farm crops, when a stand has been secured, permanent crops are assured; this is one of its great, strong points which makes it an economic certainty. Its value for all stock, especially dairy cattle, has been an ascertained fact with agricultural authorities for years, and up-to-date farmers are fully alive to its many advantages. Note—

1. **Land** should be well prepared, soil ploughed deep, cultivated and freed from weeds; made like onion bed; compacted before sowing—seed should be drilled if possible, or lightly covered.

2. **Inoculate Land** for first planting to Alfalfa, with soil from old alfalfa field or from roots of Sweet Clover, half wagon load to acre.

Nearly all soils should be given two to five tons per acre of ground limestone. Alfalfa thrives in limestone soil; or use our Nitrogen Culture. (See page opposite).

Prof. Hopkins, University of Ill., strongly favors soil inoculation.

3. **Use Northern Grown Acclimated Seed.**

4. **Season.** June first to middle of July, but successful sowing may be made in April, May and June.

THE "GRIMM" or EVERLASTING ALFALFA

has obtained a reputation for productiveness and hardness all through the Northwest. The seed is identical with other types of Alfalfa. We offer genuine Grimm Seed from an inspected field in So. Dakota. Our customers for Alfalfa in the North who wish to make a beginning will make no mistake in using this—order early as the true stock is limited. Lb., 60c; 10 lbs., \$5.00; bu., \$28.00; 100 lbs., \$45.00. Grain bags 65c each extra.

WESTERN GROWN SEED. This is extra fine, better than 99.5 per cent pure.

Lb., 35c; 10 lbs., \$2.85; bushel, \$15.50; 100 lbs., \$24.00.

Grain bags holding about 150 lbs., 65c each extra.

DAKOTA GROWN DRY LAND SEED. This is extra hardy seed and not very plentiful. In wet seasons it yields no seed crop.

Lb., 40c; 10 lbs., \$3.25; bushel, \$17.50; 100 lbs., \$28.00.

Grain bags holding about 150 lbs., 65c each extra.



ALFALFA SEED

VAUGHAN'S TESTED ALFALFA SEED IS THE BEST ASSURANCE OF A STAND.

BOKHARA OR SWEET CLOVER—White Blossom

Sweet Clover can no longer be regarded as a weed. It has its place as a valuable farm crop along with Red Clover and Alfalfa. On worn out or poor soils all over the country, and on good farm lands in the dry sections of states like Nebraska and South Dakota, no other soil-renovating plant can produce equally good results. It is the most adaptable of all legumes or nitrogen gatherers, growing on nearly all soils and withstanding the summer heat of the soil and the cold of the northern winters. Cattle and sheep and hogs soon acquire a taste for Sweet Clover and as a feed it ranks in value close to Alfalfa. It has the same bacteria on its root nodules as Alfalfa and inoculates and prepares a field for that crop. Cut early, before getting too large, it makes a good hay. Being a biennial it fits in with any crop rotation. Sow spring or fall. We offer hulled seed, scarified and of tested germination. Sweet Clover runs a certain per cent of scarified and hard seeds. Hulled seed: Lb., 40c; 10 lbs., \$3.25; 100 lbs., \$28.00.

ALSIKE OR HYBRID CLOVER

Thrives well on damp soils or in situations where it is impossible to secure a catch of Red Clover. Because the seed goes so much further than Medium Red and because of its comparatively reasonable price this year, many farmers are giving Alsike the preference. Sow 5 to 6 lbs. per acre in spring.

Vaughan's (V) Brand, lb., 40c; 10 lbs., \$3.75; bu. (60 lbs.), \$21.00; 100 lbs., \$34.00.

WHITE CLOVER

This variety is extremely valuable for permanent grass mixtures or those prepared for grazing land. It will stand more grazing than any other Clover. As the growth is short it has no value in a hay crop. Much used in lawns. Crop short. Sow in spring, 3 to 4 lbs. per acre.

Extra Fancy Seed: Lb., 80c; 10 lbs., \$7.50; bu. (60 lbs.), \$40.00; 100 lbs., \$65.00.

Choice Seed, clean but not as bright as the above: Lb., 65c; 10 lbs., \$6.00; bu. (60 lbs.), \$31.00; 100 lbs., \$50.00.

CRIMSON CLOVER

Erect growing annual with long narrow and pointed flower heads. Grown extensively in the East and South for turning under to improve the soil.

Produces a hay crop of excellent feeding value but requires to be cut in full bloom to obtain the full value of the nutriment. We cannot recommend it for the Northern latitudes as it is likely to winter kill. Sow in August or September, 15 lbs. per acre. Lb., 35c; 10 lbs., \$3.15; bu. (60 lbs.), \$16.50; 100 lbs., \$26.00.

Grain Bags for Clover, 65c each, extra.
For other Clovers, see page 54.

VAUGHAN'S TREE SEEDS

EVERGREEN seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart.

One pound lots and less include postage; large lots at buyer's expense.

	Pkt.	Oz.	¼ lb.	Lb.	10 lb.
Apple.....	\$0.05				
Arbor Vitae, American.....	.10	\$0.40	\$1.25	\$4.50	
Birch, White.....	.10	.15	.50	1.75	

	Pkt.	Oz.	¼ lb.	Lb.	10 lb.
Box Elder.....	\$0.05	\$0.10	\$0.15	\$0.50	\$4.50
Catalpa Speciosa.....	.10	.20	.60	2.00	
Locust, Honey.....	.05	.10	.35	1.00	8.00
Locust, Black or Yellow.....	.05	.10	.35	1.00	
Maple, Oregon Mammoth.....	.05	.15	.45	1.50	
Mulberry, Russian.....	.05	.15	.45	1.50	
Osage, Orange.....	.05	.15	.45	1.50	
Pear, French.....	.10	.25	.75		
Pine, Scotch.....	.10	.45	1.40	5.00	
Spruce, Norway.....	.10	.45	1.40	5.00	

OTHER LEGUME CROPS

PLANT THE BEST

NONE MORE ABUNDANTLY THAN ALFALFA

United States Food Administration
License No. G31074

NEW HARDY ALFALFA, LISCOMB (Variegated Flower)

The extra hardy "Yellow Flower" Alfalfa, crossed and re-crossed with an ordinary sort, has produced "Hardy Liscomb" Alfalfa. This important development has distinct points of exceptional merit, hardiness and endurance.

The hardiness of Liscomb as a drought resister is not equaled by any other variety, and its numerous lateral roots give it endurance against ground heaving, from frost, in severe winters. In the severe winter climate of Montana, the parent field from which our seed comes, still continues to produce a full crop of hay and seed (without irrigation), after 35 years of unblemished endurance. No part of it has ever been killed in any winter in all those years.

This sort has variegated blossoms and a receding crown (at times 3 to 5 inches below the surface of the soil), also a branched root system in place of a single tap root.

Lb., 45c; 10 lbs., \$3.75; bu., \$21.50; 100 lbs., \$35.00.



LISCOMB ALFALFA PLANTS

CANADA FIELD PEAS

A valuable crop in the northern states for soiling and for cattle feed. Sown with oats all stock eat the hay greedily and thrive upon it. With the present season's high prices for oats, farmers will find it very profitable to sow these peas along with oats for feed. Sow broadcast, 2 bushels per acre—if sown with oats, use a bushel with 1½ bu. oats. Prices subject to market changes. Bu., \$4.50; 2 bu., \$8.75; 10 bu., \$42.50; bags included free.

SOJA OR SOY BEANS

This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils. As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody, otherwise the nutritive value of the feed will be endangered. For latitudes north of Chicago, we would advise using Northern grown seed. Seed should be sown in June at the rate of ½ bushel per acre and in drills 30 inches apart.

Ito San. Northern grown. Peck, \$1.50; bush., \$5.50. Bags included.

Black Beauty. ½ peck, 80c; peck, \$1.50; bush., \$5.50. Bags included.

Mammoth.—Yellow, Southern grown seed. Use south of middle Illinois. ½ pk., 65c; pk., \$1.25; bush., \$4.50.

WINTER VETCH, *Vicia Villosa*

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern States in the fall months, growing well that season

Small Fruit Seeds

These germinate slowly. Sow them early.

Raspberry Seed. Large-fruited sorts, mixed. Pkt., 10c; ½ oz., 20c.

Currant Seed, White, Red or Black. Pkt., 10c; ½ oz., 20c.

Gooseberry Seed. Pkt., 10c.

STRAWBERRY SEED.

Belle De Meaux.....	10c,	2 for 25c.
Bush Alpine, White.....	10c	1 of each, 15c.
Bush Alpine, Red.....	10c	
Hybrid Mixed.....	15c,	2 for 25c.
La Perle. Large fruited everbearing.....	20c	

OTHER KINDS—Northern Grown Dry Land Seed

KANSAS DRY LAND

We also offer Kansas Dry Land—very fine samples, at—Lb., 35c; 10 lbs., \$2.85; bush., \$15.50; 100 lbs., \$24.00.

*NEW ALFALFA, COSSACK

A variety brought to this country by Prof. Hansen of North Dakota. Said to be harder than any variety yet found. We offer a limited amount of seed so our customers may try it. Lb., \$1.75; 10 lbs., \$15.00.

"A Strip of Alfalfa I have is the wonder of our villagers—a thick, heavy green. I have advised others to send to your House".

W. F. JAMIESON, Pentwater, Mich.



VAUGHAN'S ALFALFA ON A DAIRY FARM IN NORTHERN ILLINOIS

ALFALFA SEED

and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil and at the same time being a nitrogen gatherer enriches the soil. Vetch furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For hay use 1 bushel per acre.

Price: lb., 30c; bu. (60 lbs.), \$13.75; 100 lbs., \$22.00. Grain bags, 65c each. Write for latest prices in the Fall. We are importers of this seed.

SPRING VETCH OR TARES (*Vicia Sativa*—Oregon Vetch). Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas.

Per lb., 20c; pk., \$1.50; bu., \$5.75. Grain bags, 65c each, extra.

NITRAGIN—Pure Culture



THE IMPROVED GERMAN SOIL INOCULATOR
NOBBE-HILTNER PROCESS
THE SIMPLEST SAFEST AND SUREST SYSTEM
OF SOIL INOCULATION FOR ALL LEGUMES
AWARDED GOLD MEDAL, ST. LOUIS, 1904

A legume-inoculating material manufactured under a late German (Nobbe-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. Nitragin Pure Culture is sold by the acre, and is put up in round tin cans, in three sizes—garden, one acre, and five acre. Full directions for use with each can. We can offer cultures for all the different legumes, including Alfalfa, Clovers, Cow Peas, Soja Beans, Vetches, etc., etc.

Price, Garden size can, 30c; ½ acre can, 50c; 1 acre can, \$1.00; 5 acre can, \$4.00; 10 acre can, \$7.50.

Tobacco Seed

Any of the following in packets each, 10c

	per oz.	¼ lb.	lb.
Comstock's Spanish. Wisconsin Favorite.....	\$0.30	\$1.00	\$3.50
Primus. Yields big crops, fine quality.....	.30	1.00	3.50
Harby. Turkish; stands heat, drought.....	.30	1.00	3.50
Brazilian-American. Brazilian strain.....	.30	1.00	3.50
Big Havana. A hybrid Havana.....	.30	1.00	3.50
General Grant. Leaves 44 inches long, matures crop early. Ideal for cigars.....	.30	1.00	3.50
Connecticut Seed Leaf. Best adapted to climate of Middle and Northern States.....	.30	1.00	3.50
Big Oronoko. Has no equal for strips and dark wrappers.....	.30	1.00	3.50

**PLANT
THE BEST**

VAUGHAN'S TESTED

OUR FARM SEEDS ARE CONTRACTED OR PURCHASED THEY ARE CLEANED, RE-CLEANED AND TESTED

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of three standard varieties and such new things as have been thoroughly tried and proven. "Miracle grains and Million Dollar" grasses are not to be found in our catalog, at least not under those names. Due to the location of our two stores we are in constant touch with the leading markets and conditions. With our favorable freight rates, either in carlots or less, and with the best shipping service in the United States, we are in a position to serve our customers as is no other house.



**VAUGHAN'S SORGHUM CANE
FOR SUMMER FODDER** (See page 64)

SEED BARLEY, SELECTED, RE-CLEANED WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best six-rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain after many years breeding and testing. By many trials throughout the middle western states, Wisconsin Pedigree has proved a greater yielder than all others. It is tall, growing with plump grain, very stiff straw and large well filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, peck, 70c; bu., \$2.25; 10 bu., \$20.00; bags included free.

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six-rowed variety, introduced in 1906 by the Wisconsin Agricultural Experiment Station. Particular attention has been given in recent years to breeding. A large percentage of the Barley acreage in Wisconsin is now of this grain. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister. Average yield of five to ten bushels more per acre than other six-row sorts were reported on a series of tests. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is an excellent sample Wisconsin-grown, produced from seed secured from the Wisconsin Agricultural Experiment Station.

Price, peck, 70c; bu., \$2.25; 10 bu., \$20.00; bags included free.

MANSHURY BARLEY This is a standard six-rowed Barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw, bearing long plump heads. The grain is large and has no superior for malting.

Price, peck, 70c; bu., \$2.25; 10 bu., \$20.00; bags included.

SUCCESS OR BEARDLESS This is earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats. In stock-feeding it is of much more value than common barley as it may be fed without danger of injury to the animals. Yields always show some bearded plants, although for stock is exceptionally fine.

Prices, peck, 95c; bu., \$3.00; 10 bu., \$27.50; bags included free.

WHITE HULLESS This variety is strictly a feeding sort. It has a grain like that of wheat. In feeding value it is almost equal to wheat and the yield is nearly twice as large. As a dry feed it has no superior. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.

Price, peck, \$1.00; bu., \$3.65; 10 bu., \$35.00; bags included free.

VICTORY OATS

American grown seed, raised from imported Swedish stock. The best of varieties for American conditions. Put out by the Swedish Society for the improvement of seed. The result of twenty-five years of scientific seed breeding. In season it is like Swedish Select. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff and firm. Peck, 50c; bu., \$1.60; 10 bu., \$14.50; bags included free.

NOTE
IMPORTANT
Prices include Cotton sacks holding 2½ bushels of grain.



SAMPLES
OF THESE
FANCY
OATS
FREE TO
PROSPEC-
TIVE
BUYERS

NEW WHITE KHERSON (Iowa 103)

The best variety to date on rich, heavy soils. In Iowa it is by far the most popular variety, as it produces a crop before extreme heat. In favorable cool seasons, on heavy soil, on account of its short straw, there is little loss from lodging. It is a white seed selection of the Yellow Kheron, with the advantage of color and more recent selection. Extra early in season. Price, peck, 50c; bu., \$1.60; 10 bu., \$14.50; bags included free.

KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety and produces large yields. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color which injures its value to some extent for market purposes. Price, peck 50c; bu., \$1.60; 10 bu. lots, \$14.50; bags included free.

HVITLING OATS

The Swedish Society for Seed Improvement recommends this sort for light or early soils, the grain is larger than Victory, very broad, plump, thin hulled and pearly white, straw medium height and strong, medium early in season, abroad much preferred in the manufacture of oatmeal on account of its grain. Price, peck 50c; bu. \$1.60; 10 bu. \$14.50; bags included free.

Prices on all grains subject to change in market.

PURE FARM SEEDS

**PLANT
THE BEST**

**FROM THE MOST RELIABLE SOURCES
WE STRIVE TO SECURE ONLY THE BEST**

U. S. Government License
No. 631074

Free Samples to Intending Purchasers.—Most of our seeds are grown especially for us. All of our seeds are excellent samples, carefully re-cleaned and were grown under our direct supervision from thoroughly reliable sources.

Prices—The market on this class of seeds is changing constantly and prices given below represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices.

Quality considered, we can meet any competition.

VAUGHAN'S "SWEDISH SELECT" OATS

Extra Heavy Re-cleaned Seed

Introduced a few years ago by the U. S. Department of Agriculture and today the most largely planted of all varieties in the Northern Central States. Briefly described the oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

Price, peck, 50c; bu., \$1.55; 10 bu., \$14.00; bags included free.

BLACK VICTOR OATS

The darkest of the Black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Northern grown seed.

Price, peck, 60c; bu., \$1.75; 10 bu., \$16.00; bags included free.

AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. One pound to the acre. Sow in garden bed, and transplant 7 feet apart.

Price, 1 oz., 15c; ¼ lb., 35c; lb., \$1.10.

BROOM CORN

IMPROVED EVERGREEN The most popular variety in the Western broom corn-growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.

Western Grown, Price, lb., 12c; 5 lbs., 45c; 10 lbs., 85c; 50 lbs., \$3.25; 100 lbs., \$6.25.

Illinois Grown, lb., 15c; 10 lbs., \$1.25; 100 lbs., \$11.00.

OKLAHOMA DWARF An extra early sort. Ht. 5 ft.

Western. Price, lb. 12c; 10 lbs. 80c; 100 lbs. \$6.25.

BIRD SEED

Vaughan's Re-cleaned of Highest Quality

BLUE MAW (Poppy). Per lb., \$1.25; 5 lbs., \$5.75.

CANARY SEED. Lb. 25c; 5 lbs. \$1.15; 10 lbs. \$2.00.

CUTTLEFISH BONE. Per lb., \$1.25.

HEMP. Per lb., 15c; 5 lbs., 60c; 10 lbs., \$1.10.

LETTUCE FOR BIRDS. Per ¼ lb., 10c; lb., 25c; 5 lbs., \$1.00.

MILLET, Fancy Re-cleaned. Per lb., 8c; 10 lbs., 60c.

BIRD RAPE. (Not Dwarf Essex). Per lb., 20c; 5 lbs., 75c; 10 lbs., \$1.40.

SUNFLOWER SEED, extra clean for birds. Lb., 20c; 5 lbs., 95c; 10 lbs., \$1.80.

CHUFAS, or EARTH ALMONDS

Used to fatten hogs. Nuts grow under ground very near surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 ft. apart, and 8 to 10 inches apart in row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre.

Pkt. 10c; lb. 25c; 10 lbs. \$2.00; 100 lbs. \$18.00.

FLAX SEED

Primost Variety, fancy re-cleaned Dakota seed. (Bu. 56 lbs.)

Price, peck \$1.50; bu. \$5.50; bags free.



VAUGHAN'S SEEDS FOR ALL ENSILAGE ARE THE BEST

BUCKWHEAT

Market price changes. Write for quantity prices.

Sow after June 15. On worn-out soils, a plowed under buckwheat crop is a good soil fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed. (Bu. 48 lbs.) **Price, peck, 75c; bu., \$2.35; 3 bu., \$6.75; bags included free.**

SILVER HULL A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. (Bu. 48 lbs.) Choice seed. **Price, peck, 75c; bu., \$2.35; 3 bu., \$6.75, bags included free.**

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months, and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast; use 5 lbs. and if in drills 2 lbs. to the acre. Japanese grown (Winter Sowing Rape). English seed unobtainable this year.

Lb., 20c; 5 lbs., 75c; 50 lbs., \$6.50; 100 lbs., \$12.50.

SUDAN GRASS

A new forage plant closely related to the cultivated sorghums; of value particularly in the dry Middle West sections as to drought resisting hay crop. In the Eastern and Central Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised as with cane and other sorghums in turning cattle on to second growth. Seed of high germination and free of weed seeds is scarce—compare samples.

Price, lb., 30c; 10 lbs., \$2.35; 100 lbs., \$20.00.

Culture of Sudan Grass.—Sudan grass may be grown either drilled, in cultivated rows, or broadcast. If planted in cultivated rows, the rows should be as close as possible and yet permit of easy cultivation. In 30-inch rows, 3 to 4 pounds of seed per acre is ample, and under conditions of low rainfall this method is recommended. Under irrigation, 18-inch rows are preferable, and 4 to 6 pounds of seed per acre is sufficient.

For broadcasting, 20 pounds of seed per acre should be used. The seed should not be sown until the ground is warm, that is, about the time for planting corn. The young plants will withstand slight frost without injury.



GERMAN MILLET



DWARF ESSEX RAPE

If sent by mail add postage to above prices at zone rates. See inside front cover.

**PLANT
THE BEST**

VAUGHAN'S TESTED

WHEATS—Spring

FANCY NORTHERN SEED. On account of high value of wheat we ship in grain sacks only, for which there is a charge of 65c. Write for latest quantity prices. Sow 1½ bu. to acre.

MARQUIS SPRING WHEAT

In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out-yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself. Marquis Wheat grades number one almost every time. It has won the first prize for the best American wheat at all the International Shows the past three years. Wheat price changeable. Write for prices in quantity.

Price, peck, 90c; bu., \$3.00.

SASKATCHEWAN FIFE. A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat.

Price, peck, 90c; bu., \$3.00. Write for latest quantity prices.

BLUE STEM PEDIGREED. A heavy yielding variety, very popular in the Northwest. Heads are very large and well filled. Plants stool freely. Our seed is carefully selected.

Price, peck, 90c; bu., \$3.00. Write for latest quantity prices.

MACARONI OR DURUM. We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts.

Price, peck, \$1.00; bu., \$3.15. Write for latest quantity prices.

OUR SEED

CORN

Both Early and Late
DENTS AND FLINTS

Are Grown to Suit
Every Locality



REID'S YELLOW DENT

PLANT CORN SUITED TO YOUR SPRING EMMER—Incorrectly called "SPELTZ"

A grain especially suited for dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high. Sow 1½ bu. to acre.

Price, lb., 12c; 3 lbs., 30c; bu., (40 lbs.), \$1.65; 5 bu., \$7.75; bags included free.

SPRING RYE

A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye. Sow about 1½ bu. per acre. Crop is very short.

Price, peck, 80c; bu., \$2.75; 10 bu., \$26.50. Bags included free.

Note.—Our Standard Nitrogen-gathering or Leguminous Crops will be found on pages 54, 55, 56 and 57. A most complete list of Clovers, Alfalfa, Vetch, Field Peas, Cow Peas and Soja Beans. Special varieties adapted to all conditions.

VAUGHAN'S NITROGEN

NEW VELVET BEAN. A very heavy yielding legume belonging to the Soja and Cow Pea class. The most rampant growing of all these sorts. Very popular in the South—and of value in the North for a cover crop. Sow about 1 bu. per acre, in drills.

Price, pkt., 10c; lb., 25c; pk., \$1.00; bu., \$3.75, bags included free.

GIANT BEGGAR WEED. (Florida Forage Plant.) An upright growing legume. A fine fodder plant which reaches immense size, also good for plowing under light soils. Cut for hay when first blooms appear. Plant 10 lbs. per acre.

Price, pkt., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50; 10 lbs., \$5.00.

VAUGHAN'S NORTHERN SEED POTATOES. For 30 years we have made a specialty of North Michigan, North Wisconsin and North Dakota seed Potatoes, supplying our own stock seed and delivering selected Potatoes to Central States, South and South West, with greatest satisfaction. Scabby, rough and small ones are thrown out. Heated Refrigerators, good storage, and experienced handlers make your Potato orders left with us in best hands. See pages 42 and 43.

VAUGHAN'S SEED LATE DENT

We are pleased to announce that we can offer good stocks of Northern grown seed sufficient to meet the demand for carefully selected corn, sure to ripen in your locality. This is in strong contrast to last year, as we were practically sold out at this time one year ago.

Many farmers had great difficulty in finding seed and had to take what they could get. The seed corn campaign to meet the serious emergency did remarkable work, especially in Illinois, and provided large amounts of seed tested for vitality and selected with a view to maturity further north. But, because of the great quantity needed, much of it had to be secured in localities from which corn should not ordinarily be taken for Northern planting. The fact is now well established that corn is very susceptible to Southern influence and is not safe to move North again after two years. Every effort was made by

REID'S YELLOW DENT (Standard Type) Pedigreed Seed

For Southern Iowa, Central Illinois, (see Northern Grown Reid's for North Central Illinois) Central Indiana, Kansas, Missouri and Nebraska—this is the most satisfactory yellow Dent Corn to grow. We do not recommend this or any other variety on this or the next page for Wisconsin, Michigan or similar latitudes. The great prize-winning Show Corn brought to Illinois in 1846, from Ohio. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Matures

in about 115 days in Central Illinois. Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between rows; deep grains with small cob, well filled at butt and tip. We offer a very choice selection of seed grown from pedigree seed selected for years. Grown near Decatur by one of the best corn breeders in the United States.

Selected Ears, bu., \$6.00; 3 bu., at \$5.75.

Shelled and Graded, ½ pk., 80c; pk., \$1.40; bu., \$5.00; 5 bu., at \$4.75.

REID'S YELLOW DENT, Northern Grown

Ten days earlier than the Standard Type

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" north of Kankakee and La Salle Counties. This strain of Reid's differs from the standard type only in running slightly smaller

and with larger cobs. Can be used in Cook County and westward as the finest, highest grade yellow Corn which can be safely planted this far north. A very fine variety for ensilage planted north of this section.

Selected Ears, bu., \$5.00.

Shelled, ½ pk., 75c; pk., \$1.25; bu., \$4.25; 5 bu., at \$4.

BOONE COUNTY WHITE

The best type of White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly, requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. This variety is also known as Johnson County White in Indiana, and is the great white

show corn—having won more prizes than any other white corn. It also holds most of the high yields per acre records! Our Central Illinois grower, who raises this corn for us, has won many prizes. Pedigreed corn bred by ear to the row method.

Selected Ears, bu., \$6.00; 3 bu., at \$5.75.

Shelled and Graded, ½ pk., 80c; pk., \$1.40; bu., \$5.00; 5 bu., at \$4.75.

PURE FARM SEEDS

**PLANT
THE BEST**

LOCALITY—WE HAVE IT 

MILLETS

OLDEN (German) Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bu., 50 lbs.) Sow $\frac{1}{2}$ bushel to the acre. Values constantly changing. Write for prices for quantities.
Golden. choice seed, Price, bu., \$3.75; 100 lbs., \$7.00. Grain bags, 65c each extra.

HUNGARIAN MILLET Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bu. 48 lbs.) Sow $\frac{1}{2}$ bushel to the acre. Subject to market changes.
Price, Limited amount. Bu. \$4.25; 100 lbs. \$8.00. Grain bags 65c each extra.

PEARL or CAT-TAIL MILLET No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre.
Price, $\frac{1}{4}$ lb., 10c; lb., 30c; 10 lbs., \$2.50; 100 lbs., \$22.00. Bags free.

GATHERING PLANTS

LENTILS. A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. Sow about 60 lbs. to acre.
Price, 10 lbs., \$2.50. Subject to arrival from Europe.

SAINFOIN or ESPARLETTE. An excellent perennial Fodder plant growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.
Price, lb., 30c; 10 lbs., \$2.35; 50 lbs., \$10.50; 100 lbs., \$20.00. Grain bags 65c each extra.

LUPINS, YELLOW. Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Unable to offer this year.

SOJA BEANS. In a short time we believe the acreage of this crop in the Corn belt will increase many fold. Given the proper acclimated variety, inoculation, and a little experience in growing and practically every up to date farmer will have his annual Soja Bean field. Soja Beans contain a higher percent of Protein and fat than ordinary white Beans, acreage yield is higher, forage value for silo and hay much higher than Bean and a wonderful green manure crop. See page 57 for varieties and prices.

(United States Food Administration License No. G31074)

JAPANESE MILLET Entirely distinct. It grows 6 ft., yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, broadcast; at the rate of 15 lbs., per acre; but it is better to sow in rows 12 to 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds.
Price, lb., 10c; 10 lbs., 75c; 50 lbs., \$3.00; 100 lbs., \$5.50. Grain bags, 65c each.

SUNFLOWER MAM. RUSSIAN. Standard crop raised for the seed which is used in Poultry and Parrot feeds. Fancy domestic seed. Sow about 8 lbs. to acre.
Price, oz., 5c; lb., 20c; 10 lbs., \$1.80; 100 lbs., \$17.50. Bags free.

TEOSINTE. A valuable continuous cutting forage plant for Southern and Southwestern states. It resembles Indian corn, the leaves being larger and the sap sweeter. Sow in May or June in drills $3\frac{1}{2}$ to 4 feet; 2 to 3 lbs. per acre.
Price, pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

PEANUTS. Spanish—Earliest variety but solid and well filled. Sow in rows 3 feet apart, 8 to 10 inches in the row. Mammoth Virginia, later than Spanish—with large pod and kernels.
Price, either, pkt., 10c; lb., 25c; 5 lbs., 85c; 10 lbs., \$1.65.

JUMBO or New Orleans Special, the giant variety. Pkt., 10c; $\frac{1}{2}$ lb., 25c; lb., 45c; 10 lbs., \$3.50.

OUR SEED

CORN

Both Early and
Late Varieties—
DENTS AND FLINTS



Are Grown to Suit
Every Locality

CORN VARIETIES

SUCCESSSES

the state organization to get safe seed, but reports from some localities indicate that certain lots were slow in maturing and evidently had been grown in a Southern section too long. Seed should not be selected from such corn for planting in the same locality even tho the late fall and good weather helped it to ripen. Next Fall may bring early frosts and slow maturing corn will be caught. You will be safer in planting our Northern grown seed than taking chances on doubtful varieties.

Our corn will grow. We test all seed corn we handle and our test is marked on each bag and also the locality where grown. Read the statement about our farms in Northern Illinois and Central Michigan on page 62. Send in your order as soon as possible before the Spring rush begins. We can give it prompt attention now and you will be able to get just what you want.

LEAMING IMPROVED

See illustration. Probably planted over a greater area of country than any other sort on account of its great adaptability. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; kernels yellow, wedge

shaped; cob red, of medium size. Used a great deal for ensilage in New York and New England. Our seed is grown from prize stock in the central corn belt. The stalks are very leafy so that it is one of the best fodder varieties.

Nebraska Crown Shelled— $\frac{1}{2}$ pk. 60c, pk. \$1.15, bu. \$4.00, 5 bu. at \$3.75.

IOWA SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical shape, tapering only a little at the tip; 18 to 20 rows; length, 9 inches; circumference, $7\frac{1}{4}$ inches, kernels rough and deep, a little space

between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders.
Central Iowa Crown—Shelled and graded, $\frac{1}{2}$ pk. 60c, pk. \$1.15, bu. \$4.00, 5 bu. at \$3.75.

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as

carefully bred as some sorts; however, it has good points. Our seed is carefully selected, grown by a noted breeder special in this variety.

Nebraska Crown—Shelled, $\frac{1}{2}$ pk. 60c, pk. \$1.15, bu. \$4.00, 5 bu. at \$3.75.

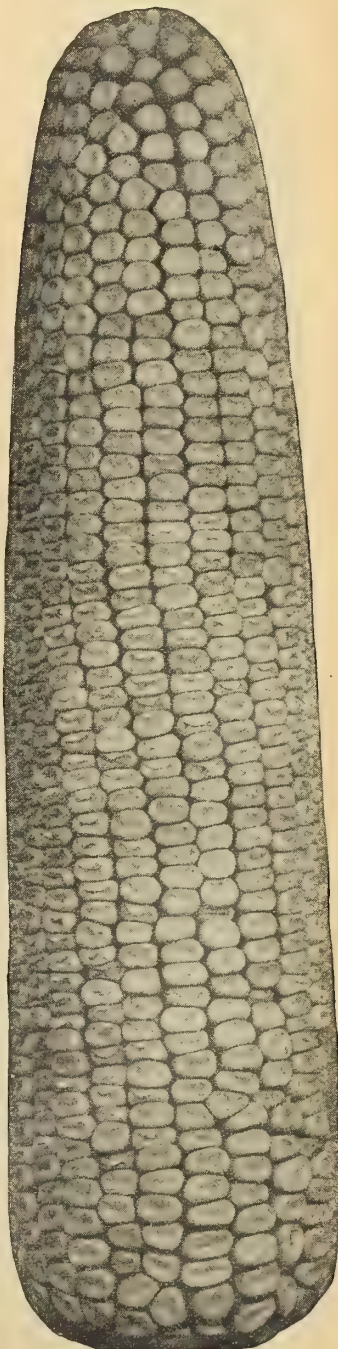
HICKORY KING

Fine for the Southern States. Has been bred for small cobs and large kernels. Northern Missouri Seed.

Shelled, $\frac{1}{2}$ pk. 60c, pk. \$1.15, bu. \$4.00, 5 pk. at 3.75

Our Seed Testing Laboratory is under the supervision of an expert Seed Analyst who, with assistants in the department, makes 40,000 tests per year. We test all our farm seeds for purity and germination. Our vegetable and flower seeds are tested for germination and later trials are made in our trial grounds, and inspection trips taken to the

various parts of the United States where the crops are growing to produce our seed for next year. We want the best. We are always glad to give all the information we can regarding the seed we sell. Write us. We like suggestions, too, for improvement.



LEAMING IMPROVED

**PLANT
THE BEST**

VAUGHAN'S TESTED



Field of Early Corn on the Vaughan Farm near Homewood, Ill.

When ready to buy write for
latest Corn List.

MADISON YELLOW DENT



ONE OF OUR CORN
SUCCESSSES

and graded, $\frac{1}{2}$ pk., 70c; pk., \$1.25; bu., \$4.50. 5 bu., at \$4.25.

OUR FARMS IN NORTHERN ILLINOIS AND CENTRAL MICHIGAN

It is now generally recognized by the leading agricultural specialists of the country that local seed corn or seed corn raised in an equivalent climate is the best to plant for any given locality, and that when local corn is not obtainable it is safe to plant

only such seed as has been raised farther north, thus insuring maturity before frost. Our own farms in Central Michigan and Northern Illinois give us an immense advantage over other seed houses without such growing facilities, especially as regards the earlier Dent sorts. Many of this class we raise ourselves, and we keep practically informed through trials at these farms just what improvements and selections are being made in the different parts of the country. Our corns are field sorted, put in crates, hand sorted, then hung on hangers, and in off seasons artificially dried. Varieties we do not raise ourselves are produced by the most experienced and reliable growers we can find in the respective sections in which the different varieties and types do their best.

DAKOTA YELLOW DENT

A very early Yellow Dent corn raised in North Dakota; matures in better than 90 days; ears 7 inches long; kernels quite hard; good for late planting in central locations. The yield may be increased by planting closer than is customary with Standard Dent sorts. **Dakota grown.**

Price, shelled, $\frac{1}{2}$ 85c; pk., \$1.50; bu., \$5.25.

GOLDEN SURPRISE

It is eminently well suited to be grown in localities south of a line from Cleveland, Ohio, to Peoria, Illinois. This sort is remarkable for its small cob and high shelling quality. Our seed is grown in central Ohio. Price, shelled, $\frac{1}{2}$ pk. 70c; pk., \$1.25; bu., \$4.50; 5 bu., at \$4.25.

 **PLANT CORN TO SUIT YOUR**

**OUR SEED CORNS, EARLY AND LATE DENTS
AND ARE GROWN IN THE**

MADISON YELLOW DENT

For the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan, this, we believe, is the best corn ever introduced. It matures in 100 to 106 days of ordinary corn growing weather, and is a magnificent yielder. The ears are a little smaller than Reid's Yellow Dent, but resemble that sort otherwise; they are $8\frac{1}{2}$ inches long, and have 16 rows of deep set kernels arranged close together in even rows, but with space enough to permit perfect drying, a very essential point in northern corn. Our strain is grown on the Vaughan farms in Central Michigan and Northern Illinois, and by contract with expert growers in the same localities under our direct supervision. We have a good quantity of magnificent corn grown on our Central Michigan Farms. Germination about 100%. **Selected Ears, Price, bu., \$6.00; 3 bu., at \$5.75. Shelled and graded, $\frac{1}{2}$ pk., 80c; pk., \$1.40; bu., \$5.00; 5 bu., at \$4.75.**

MICHIGAN YELLOW DENT

A Central Michigan bred variety, in general characteristics quite similar to our Madison Yellow Dent, though it does not run as uniform in type. In season it is a 100 day corn in Michigan, slightly earlier than Madison Yellow Dent. The ears are red-cobbed, 16 rowed, with rather deep rough kernels. We have a nice lot of 96 and 98 % corn, grown in Central Michigan the past season. **Shelled**

MICHIGAN
YELLOW DENT



PURE FARM SEEDS

**PLANT
THE BEST**

LOCALITY --- WE HAVE IT 

AND FLINTS, ARE THE BEST BRED TYPES,
DIFFERENT CORN SECTIONS

PROFITABLE CORN GROWING

In applying business principles to Farming and especially to Corn Growing, it is well to ask, "where are the profits?" Land is worth so many dollars per acre per year; the time and labor spent in preparing the land, and later in cultivating, is an additional investment; all items of expense which cannot be avoided and must be paid for whether the crop is good or a failure. Still it is in seed, the one factor on which crops and profits depend, that some short-sighted farmers seek to economize. Poor seed corn often means low germination and a poor stand, and the farmer handicaps himself at the start with a loss of 10% to 25%. He thus throws away what amounts to a business profit on a maximum stand. Poor seed corn means a poorly bred variety with many non-fertile stalks; or small, poor yielding corn or corn with a large cob which shells out very little of the marketable product; sometimes it means corn which does not ripen and leaves the farmer at the end of the season with a worthless lot of soft, flabby ears. Wherever you get your seed corn, know what you are buying; know that it will grow; know that it is a profitable variety for your conditions and locality; make sure that you have a chance for a profitable crop.

MINNESOTA No. 13

This is known also as Wisconsin No. 8, and is a heavy yielding, very early Yellow Dent corn; matures in 90 days of corn-growing weather. This variety grows to a height of 8 feet on good soil and furnishes a great amount of fodder. The ears are 8 inches long, with 16 rows of kernels and taper to tip; the kernels show a good Dent type and are of fair depth. Although not yet as well bred as Madison Dent, it is about 10 days earlier.

Minnesota grown, Selected ears, bu., \$5.50; 3 bu., at \$5.25. Shelled and graded, 1/2 pk., 70c; pk., \$1.25; bu., \$4.50; 5 bu., at \$4.25. Nebraska grown, Shelled, 1/2 pk., 60c; pk., \$1.15; bu., \$4.00; 5 bu., at \$3.75.

SILVER KING—or Wisconsin No. 7

This corn introduced 5 years ago by Prof. Moore, of the Wisconsin experiment station, is gaining in favor with corn growers. The ears have a good cylindrical shape, are about 8 inches long and usually have 16 rows of kernels which are deep set, and just thick enough to permit rapid ripening. This is an excellent corn for central and southern Wisconsin. Our corn is Wisconsin grown by a noted breeder in that state. Price, Selected ears, bu., \$6.25; 3 bu., at \$6.00. Shelled, 1/2 pk., 85c. pk., \$1.50; bu., \$5.25; 5 bu., at \$5.00.

GOLDEN GLOW—Wisconsin No. 12

Is a fine product of "Minnesota No. 13," crossed with "North Star." It is very early and develops ears of good size, 8 inches in length, slightly tapering. The kernels are of medium depth, slightly rough. The cob is large enough to aid early drying, but is not too large. This is a very strong growing plant with plenty of foliage, which enhances its value for fodder. Wisconsin grown. Price, Selected ears, bu., \$6.00; 3 bu., at \$5.75; Shelled, 1/2 pk., 80c; pk., \$1.40; bu., \$5.00, 5 bu., at \$4.75.

PRIDE OF THE NORTH

This is the most extensively planted Yellow Dent corn in northern Illinois and Iowa. It is a standard early, and the seed which we offer is grown in eastern Nebraska. We find it evener in type, and earlier in season than much of the southern "Pride." The type varies, but usually has 16 rows of kernels on a cob, with tapering tip. Nebraska grown. Shelled, 1/2 pk., 60c; pk., \$1.15; bu., \$4.00; 5 bu., at \$3.75.



A Crate of Vaughan's Selected Ear Corn

When ready to buy write for latest Corn List.

**SILVER KING
or
WISCONSIN No. 7**



SEE DESCRIPTION
BELOW



The best Commercial Fertilizer for all farm crops is Vaughan's 3-8-1. See page 133.



PLANT
THE BEST

Flint, Fodder and Pop Corn

PLANT
THE BEST

EXTRA EARLY FLINT

LONGFELLOW FLINT. A beautiful cob of rich, glossy yellow, and very long—10 to 15 inches. The stalks grow to the height of 7 to 7½ feet, and the ears are borne about 3 feet from the ground. This is a favorite with chicken raisers in the middle corn belt. **Shelled, ½ peck 70c; peck, \$1.25; bush., \$4.50.**

GIANT LONG FLINT. A tawny, smoky white sort, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are 12 to 15 inches long, which is an unusual characteristic of this variety; and they are smooth and symmetrical. Stalks bear two to three ears. **Shelled, ½ peck 70c; peck, \$1.25; bush., \$4.50.**

KING PHILLIP This is an extra early Red Flint sort. The ears are ten inches long and eight-rowed. On poor land it does much better in yield than most other sorts. **One of the very earliest field corns.** **Shelled, ½ peck, 70c; peck, \$1.25; bush., \$4.50.**

POP CORN Selected Ears For Seed

BLACK BEAUTY (New). An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black, this color does not seem to show at all when popped, being then a pearly white. Extremely early, ripening so it may be popped the same year as grown, without kiln drying. **Pkt. 10c, lb. 35c; 5 lbs. \$1.35; 10 lbs. \$2.50; 100 lbs. \$22.00.**

JAPANESE DWARF RICE

Very tender and almost hullless, Ears short and chunky. Heavy yielder. We regard this as the coming commercial variety. Crop very short. **Pkt. 10c; lb. 35c; 10 lbs., \$2.50.**

Price of any of the following kinds of Pop Corn, **Pkt 5c, lb 20c, 5 lbs 90c, 10 lbs \$1.75, 25 lbs. \$3.75, 100 lbs. \$12.00.**

ILLINOIS SNOWBALL An improved variety, very prolific; a fine sort for home use.

WHITE RICE Most popular, grain pointed, pops white, and full.
MAPLEDALE PROLIFIC A great yielder, it pops pure white.
QUEEN'S GOLDEN It pops perfectly white and a single kernel will expand nearly one inch.



BLACK BEAUTY
Pop Corn

VARIETIES

Add 20c per bu. to these prices if ordered from New York

Flint Corns are grown in the colder sections of the corn belt as they are earlier than the dent type. In the central belts they are used for late sowing, as they mature a crop when it is much too late to plant dent sorts. Equally good as dent corns for silage purposes.

WILL'S JEHU. Also known as North Dakota Yellow Flint. This is, perhaps, the earliest yellow flint corn that is valuable. The plant's average height is 5 feet, and the ears, which are 8 inches long, grow close to the ground. Dakota seed. **Shelled, ½ peck, 85c; peck, \$1.60; bush., \$6.00.**

SMUT NOSE FLINT The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are ten inches long and large around, very vigorous in growth, producing a good amount of fodder. **½ peck, 70c; peck, \$1.25; bush., \$4.50.**

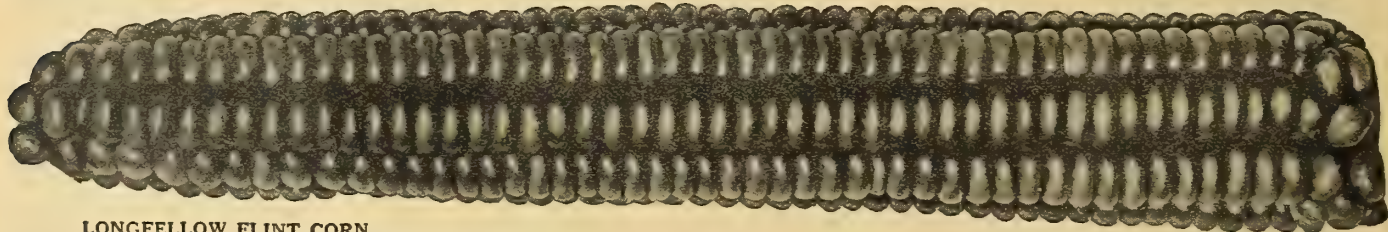
FODDER CORN Bags 65c each on bu. lots.

The recent vast increase in planting corn for fodder has been mostly due to substitution of this crop when too late for other things. Results have clearly shown that fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder, practices varying in different localities. In Canada and New England a flint variety like Longfellow is most in use; farther south the Early Dents or Leaming, many wanting partly or wholly ripened ears; in the Central belt southern grown ensilage corns; while sweet corn for dairying regions is used.

"RED COB" ENSILAGE or FODDER. This selection has a great reputation. Has a deep red cob, strong leafy stalks and short joints. **Southern Grown. Peck, \$1.00; bush., \$3.50.**

VIRGINIA MAMMOTH WHITE HORSE TOOTH. Small stalks, vast quantity foliage, short joints, kernels large and white. **Peck, \$1.10; bush., \$3.75.**

SWEET FODDER. A great dairy feed. Nothing better for summer and fall green feed, or curing for winter, than sweet corn. **Peck, \$1.50; bush., \$5.00.**



LONGFELLOW FLINT CORN

SORGHUMS, KAFFIR, MILO, CANE

Vaughan's Early Amber Cane Seed

The value of Sugar Cane as a green fodder crop is yearly being better appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre sown to this crop with a little more than \$1.00 invested for seed. Sow 60 pounds to the acre.

Northern Seed, pkt. 5c; lb. 20c; 10 lbs. \$1.25; 50 lbs. \$5.50; 100 lbs. \$10.00.
Southern Seed (for fodder) 10 lbs. \$1.00; 50 lbs. \$3.50; 100 lbs. \$6.50; bags included, free.

FETERITA Earliest of the drought resisting sorghums. A recent introduction. Out-yielded all other sorghums during the past dry summer in Kansas. Worthy of a trial in Northern sections. **Price, lb. 15c; 10 lbs. 80c; 50 lbs. \$3.25; 100 lbs. \$6.00, bags included, free.**

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs per acre. **Pkt. 5c; lb. 18c; 10 lbs. \$1.25; 50 lbs. \$5.25; 100 lbs. \$10.00, bags included.**

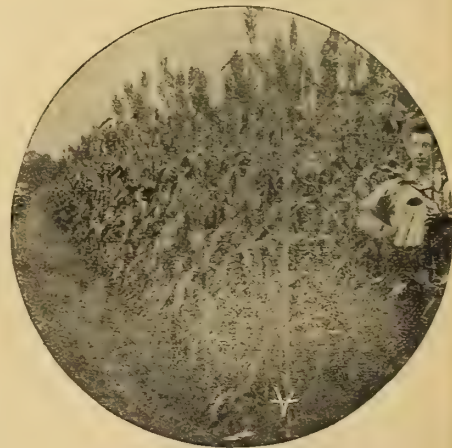
KAFFIR CORN One of the very best forage plants. Preferred by some to Cane for stock feeding. Grows four to five feet high. For fodder sow 3 pecks per acre broadcast. **Pkt. 5c; lb. 12c; 3 lbs. 30c; 10 lbs. 75c; 50 lbs. \$3.00; 100 lbs. \$5.50, bags included, free.**

MILO MAIZE Yellow variety of sorghum, non-saccharine, stalks 8 to 10 feet high. It bears dry weather and makes its crop where corn would fail. Plant in 3-foot rows and cultivate as corn, 3 to 5 lbs. per acre. **1 lb. 12c; 3 lbs. 30c; 10 lbs. 75c; 50 lbs. \$3.00; 100 lbs. \$5.50, bags free.**

NEW FORAGE PLANT, Sudan Grass. (See Page 59). **Price, lb. 30c; 10 lbs. \$2.35; 100 lbs. \$20.00.**



FETERITA



FIELD OF EARLY AMBER CANE IN MICHIGAN

GENERAL LIST OF ANNUAL FLOWERS

The following pages contain our list of Annual Flower Seeds. Perennial Flower Seeds will be found on pages 95 to 113, inclusive, combined with the perennial plants, which arrangement will facilitate the ordering of either or both.

The FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

- ⊙ **Annuals.** These attain full growth from seed, flower and die first year.
- ⊙⊙ **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early.
- ↳ **Greenhouse Plants.** Start inside and cultivate in pots, or else, transplant outside when danger of frost is over.
- ⤴ **Stove Plants.** To be grown inside all the year round for pots only.
- ⤵ **Climbing Plants.**

"To Succeed with Annuals"

From the Journal of the International Garden Club. August, 1917. (By permission)

Many people fail to get a good display of flowers by not sowing early enough. Another reason, and one even more prolific of harm, is sowing the seed too thickly; or, 3, too deeply; and
 Not thinning out the young plants soon enough; or, 5, sufficiently.
 Many people again do not think Hardy Annuals worth taking any trouble about, little knowing the exquisite beauty that many of them return for really but little pains bestowed—little, however, they must have and at the right time.
 For sowing choose a fine open day (free from frost), when the ground works well, and rake the surface over.

8. Mix small seeds with five or six times their own bulk of dry sand so as to make it easier to sow thinly.
9. As soon as the seedlings are large enough to handle, thin them out well, allowing each one ample room to grow and expand to the full according to the known size to which the plant in question grows. It is worse than useless to thin after the plants grow leggy. If the thinning out is done carefully and early enough, many of the youngsters can be replanted elsewhere if done immediately.
10. In dry weather, give the Annuals a thorough soaking once a week.

55 **ABRONIA Umbellata Grandiflora (Sand Verbena)** ⊙ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright rose with white center; it delights in a dry poor soil and sunny Pkt. situations on rockwork. . . . 05

58 **ABRUS Precatorius (Crab's Eye Vine or Weather Plant)** ↳ § 12 ft. This beautiful plant has created a great sensation. If the leaves stand upward the sky will be cloudless; if they stand out straight, changeable weather is indicated; when the leaves hang straight downward, water may be expected to fall in torrents. A local storm is indicated by the curling together of the leaves. Bears clusters of bright yellow flowers, followed by pods with brilliant red seeds used for making beads, etc. Seeds should be soaked in lukewarm water before planting. . . . oz. 75c 05

62 **ABUTILON, Royal Prize (Flowering Maple)** ↳ 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very Pkt. ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. 10

70 **ACACIA, Mixed** ↳ 6 ft. Fine winter and spring-flowering plants, graceful flowers and foliage. . . . 1 oz. 20c 05

92 **ACROCLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing graceful daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets. . . . ¼-oz. 15c 05

93 **Roseum Flore Albo.** Graceful white daisy-like flowers with yellow center. . . . ¼-oz. 15c 05

94 **Roseum Flore Pleno.** Double pink. . . . 10

95 **Roseum Flore Albo Pleno.** Double white. . . . 10

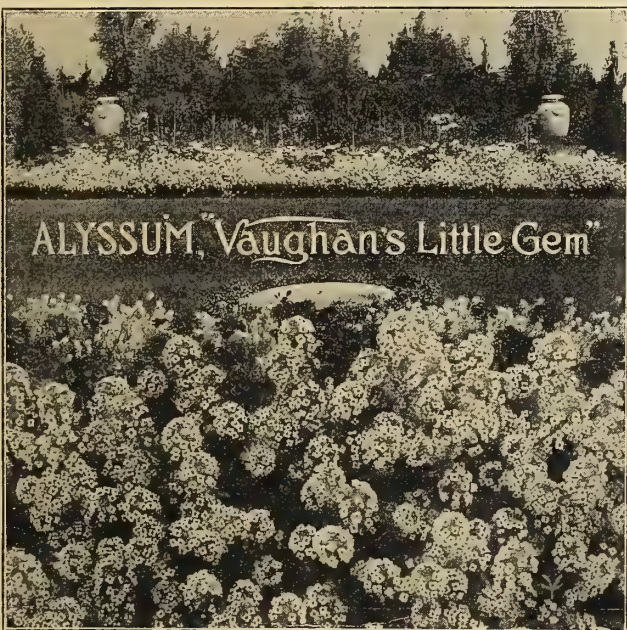
96 **Roseum Single Mixed.** . . . 05

97 **Roseum Double Mixed.** . . . 10

08 **ADONIS Aestivalis (Flos Adonis)** ⊙ 1 ft. Pretty little plant with feathery, fresh green foliage, dotted with innumerable small blood-red flowers. . . . ¼ oz. 10c 05

09 **Autumnalis.** Small crimson flowers with dark center. . . . ¼ oz. 15c 10

10 **AGAPANTHUS Umbellatus.** ↳ 1 ft. Bright blue flowers produced in clusters on long stems. Water freely. . . . ¼-oz. 25c 10



Ageratum ⊙

One of the best summer blooming plants grown from seed. They are rapid growers early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

- 112 **Mexicanum Coeruleum** Pkt. 18 in. Beautiful soft lavender-blue, of free branching habit. . . . ¼ oz. 10c 05
- 113 — **Album: White.** ¼ oz. 10c 05
- 114 — **Mixed.** . . . ¼ oz. 10c 05
- 115 — **Nanum, Blue Perfection** 9 in. The darkest Ageratum grown from seed. . . . 10
- 116 — **Nanum Luteum.** 9 in. Dwarf yellow. . . . 05
- 117 — **Imperial Dwarf Blue.** 6 in. A charming variety, of fine compact growth, covered with heads of feathery flowers of a deep lavender color. . . . ⅛ oz. 15c 05
- 118 — **Imperial Dwarf White.** . . . 05
- 119 — **Little Blue Star.** 4 to 5 in. Flowers open light blue with purple center and develop to a bright blue self. . . . 10
- 120 — **Little Dorrit.** 6 in. Dwarf blue. . . . 05
- 128 — **Princess Victoria Louise.** 6 in. Bushy plants covered with sky blue flowers with white centers. ¼-oz. 20c. . . . 10

129 **Lasseauxi.** 3 ft. Clusters of handsome rose colored flowers. . . . ¼-oz. 20c 10

131 **Wendlandi Nanum Compactum Album.** 6 in. White flowers produced through the entire summer. . . . 10

135 **AGROSTEMMA Coeli (Rose of Heaven)** ⊙ 1 ft. Remarkably pretty hardy annual of light graceful habit; flowers light rose, shaded white. . . . ½ oz. 15c 05

136 **AGROSTIS Nebulosa (Cloud Grass)** ⊙ 1½ ft. An airy and graceful annual grass, looks like a line of mist when in bloom. Beautiful to mix with cut flowers. . . . 05

150 **ALONSOA Warscewiczii** ⊙ 15 in. A fine plant with bright vermilion-scarlet flowers, suitable for bedding. For a red, white and blue border plant Alonsoa for red Alyssum, Sweet for white and Ageratum Blue Perfection for blue, ½ oz., 15c 10

151 **Grandiflora.** Scarlet. . . . 10

Alyssum ⊙

159 **Benthami Maritimum (Sweet Alyssum)** This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb. \$2.25; ¼ lb. 60c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c. . . . 05

For other Alyssum, see next page.



ANTIRRHINUM (Snapdragon)

Alyssum—Continued

- 160 **Vaughan's Little Gem, Snow-white Carpet Plant.** Pkt. The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful snow white carpet. 1 oz. 80c; ½ oz. 40c; ¼ oz. 25c. 10
- 161 **Benthami Compactum Lilacinum, Lilac Queen.** Distinct variety with delicate lavender flowers. Very dwarf 10

Amaranthus ☉

Brilliantly foliated annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming.

- 170 **Atropurpureus** 4 ft. Beautiful dark purple flowers. 05
- 171 **Caudatus (Lovelies bleeding)** 3 ft. Drooping red spikes. 05
- 172 **Cruentus (Prince's Feather)** 3 ft. Dark red feathery flowers. ¼ oz. 15c 05
- 173 **Salicifolius (Fountain Plant)** 3 ft. Willow-leaved. Graceful red and yellow foliage of drooping habit. 05
- 175 **Tricolor (Joseph's Coat)** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. ¼ oz. 15c 05
- 176 **Tricolor Splendens.** Flowers exceedingly bright. ¼ oz. 15c 05
- 180 **Fine Mixed.** All the above and many others. . . 1 oz. 25c 05
- 194 **AMMOBIUM Alatum Grandiflorum** ☉ 2½ ft. This pretty white Everlasting should be in every garden. Grows in sandy soil. ½ oz. 15c 05
- 200 **ANAGALLIS Grandiflora Mixed** ☉ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots. ⅛ oz. 10c 05
- 201 **ANCHUSA Capensis (Summer Forget-me-not).** 1 ft. A beautiful border plant producing branched heads of flowers resembling large Forget-me-nots, deep sky-blue with white eye. If sown in April will be in full bloom by July. 10

Antirrhinum (Snapdragon) ☉

For gorgeous coloring few flowers can match Snapdragons. The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Tall Giant Flowering 24 to 36 inches

- 241 **Queen Victoria.** White shaded cream, with lemon-colored lip. 246 **Apple Blossom.** A charming pink shade on a white ground, with a white throat.
 - 242 **Golden King.** Yellow. 247 **Coral Red.** Dark rose.
 - 243 **Lovely.** Delicate rose with pink lip. 248 **Delila.** Carmine and yellow with white throat.
 - 244 **Fascination.** Delicate rose with white throat. 249 **Brilliant Scarlet.**
 - 245 **Rose Queen.** Brilliant rose pink. 250 **Butterfly.** Striped.
 - 251 **Firefly.** Scarlet and white
 - 252 **Maximum, Purple King**
- Any of above Pkt., 10c; any 3 for 25c; each ⅛ oz., 25c.
- 254 **Majus Grandiflorum Mixed.** ¼ oz., 20c; pkt., 10c.

Semi-Tall Sorts 18 to 20 inches

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

- 255 **Amber Queen.** Canary yellow overlaid with pink, gold lip. 260 **Fairy Queen.** Orange salmon, white throat.
 - 257 **Black Prince.** Dark crimson. 261 **Golden Queen.** Rich yellow.
 - 258 **Cottage Maid.** The tube is a creamy white, while the face of the flower is bright rose with rich yellow lip. 262 **Grenadier.** Vivid orange white throat, yellow lip.
 - 259 **Diana.** Rose pink with white throat. 263 **Mauve Beauty.** Rosy mauve.
 - 264 **Queen of the North** Regular bushes covered with large white flowers.
- Any of above, pkt., 10c; any 3 pkts. for 25c.

Semi Dwarf Sorts Mixed. ¼ oz., 20c; pkt., 5c

270 **Vaughan's Special Mixture of Snapdragons** includes all these and many other charming varieties and a packet will furnish you with a never ending color combination of long stemmed cut flowers suitable for home, church or hospital decoration 1 oz., \$1.25; ¼ oz., 40c; ⅛ oz., 25c; pkt., 15c

Tom Thumb Varieties 8 inches

These grow about 8 inches in height, are splendidly suited for edgings.

- 272 **Snow Queen.** Splendid for pots and edging. Beautiful white flowers all summer. ⅛ oz. 25c 1
- 273 **Fireball.** The color is the most dazzling scarlet. 1
- 274 **Tom Thumb Mixed.** ⅛ oz. 15c 05

240 **ANTIGONON Leptopus (Mexican Mountain Rose)** § Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. 1

355 **ARCTOTIS Grandis** ☉ 2 ft. A very lovely species with greyish foliage, and bearing large daisy-like flowers on long stems rising well above the plant; the blooms are white, with narrow yellow central ring and a pretty lavender disc; a valuable plant for beds and pots. 1

356 **ARGEMONE Grandiflora (The Prickly Poppy)** ☉ 2 ft. Lovely plants with an ornamental foliage and large handsome Poppy-like flowers, snowy-white filled in the center with golden stamens, very beautiful. 1

357 **ARTEMISIA Sacrorum Viridis (Summer Fir)** ☉ Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich dark green color. 1

384 **ASPARAGUS Plumosus Nanus (Lace fern)** ⤴ 3 ft. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. 100 seeds 75c; 50 seeds, 40c; 25 seeds, 25c; 9 seeds. 1

386 **Sprengeri (Emerald Feather)** ⤴ A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 100 seeds, 40c; 50 seeds, 25c; 15 seeds. 1



In the case of very hard-shelled seeds it will be found a good plan to steep them in tepid water for some hours, previous to sowing, as this will hasten their germination.


- 389 **ASPERULA Azurea Setosa** ⊙ 1 ft. Pretty sweet Pkt.
scented annual with light blue flowers..... ¼-oz. 10c 05
- Asters see pages 68 and 69.
- 660 **BALLOON VINE (Love in a Puff)** ⊙ §. A rapid grow-
ing annual climber; flowers white; seed vessels like
miniature balloons.....oz. 30c 05
- 661 **BALSAM APPLE** ⊙ §. 10 ft. A very ornamental and
quick growing climber. While it has a flower, it is
grown mostly for the effect of the fruit which follows.
This is yellow, looks not unlike an apple—hence its
name. When ripe it opens and shows the seeds and
blood-red interior.....oz. 40c 10
- 662 **PEAR.** Like above, only the fruit is pear-shaped. oz. 40c 10
- 663 **BALSAM, Apple and Pear Mixed**.....oz. 40c 10

Double Balsam (Lady Slipper) 1½ to 2 ft.

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion.

Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

 Victory Collection	Vaughan's Balsams	
	One (10-cent) packet each	
	Red, White and Blue	
	Prepaid for..... 20c	

- | | | |
|--|---|-----|
| 675 Alba Perfecta. Pure white. Pkt. | 681 Crimson Spotted. | |
| 676 Lemon Yellow. | 682 The King. Brilliant scarlet. | |
| 677 Flesh Pink. | 683 Atrosanguinea Plena. | |
| 678 The Queen. Pale rose. | Flowers and leaves, red. | |
| 679 Prince Bismarck. Salmon | 684 Solferino. Striped lilac, | |
| pink. | white and scarlet. | |
| 680 Crimson. | 685 Lilac. | |
| Each of the above..... ⅛ oz. 20c | 686 Dark Blue. | Pkt |
| 689 Double Rose and Camellia-flowered Mixed .. ½ oz. 25c | | 10 |
| 690 Vaughan's Invincible Balsams Mixed. Mixed from
separate colors and includes everything that
is desirable in Balsams..... ¼ oz. 35c | | 15 |
| 691  Dwarf Balsams Mixed 8 in. Perfect little
bushes with double and semi-double flowers,
the colors are pretty and pleasing..... ¼ oz. 25c | | 05 |
| 692 Goliath White 4 ft. Remarkable for their immense
height and extreme doubleness. Excellent for large and
striking flower groups..... ¼ oz. 30c | | 10 |
| 693 Goliath Scarlet. Extremely brilliant, large and very
double..... ¼ oz. 30c | | 10 |
| 694 Giant Cream. A beautiful, rich, creamy, primrose
color. Exceedingly double and of fine robust form..... | | 10 |
| 696 BARTONIA Aurea ⊙ 12 in. Large golden yellow blossoms
and ornamental foliage. Valuable for borders and
rockeries..... ½ oz. 25c | | 10 |

Begonia Semperflorens

Fibrous-rooted Begonias

A continuous-flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

- | | | |
|--|------|----|
| 700 Erfordia. A very pretty variety, densely covered with
handsome flowers of a delicate rose color..... | Pkt. | 20 |
| 701 Gracilis Luminosa. Large bright scarlet flowers..... | | 25 |
| 702 Gracilis Prima Donna 1 ft. Forms a broad, full bush
with dense foliage. The flowers are a brilliant clear
pink, shading to carmine rose..... | | 25 |
| 703 Gloire de Chatelaine. A very attractive plant. The
flowers are brilliant pink and being a perpetual bloomer
it makes a charming bedding or house plant..... | | 25 |
| 704 Semperflorens Atro-purpurea Vernon. Bright orange
carmine flowers, deep red foliage..... | | 10 |
| 705 Semperflorens Mixed | | 10 |
| 706 Melanie. ⊕ The color is white, beautifully edged
with pink..... | | 25 |



BALSAM—Lady Slipper

Begonia—Continued ⊕ 8 to 10 in.

Tuberous-rooted Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias offered. For greenhouse decoration and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

- | | | |
|---|--|----|
| 707 Single Tuberous-Rooted Mixed. Saved from finest Pkt.
exhibition varieties, all having large well formed flowers
of many brilliant shades of color..... | | 20 |
| 708 Double Tuberous-Rooted Mixed. Producing on strong
erect stems an abundance of very double flowers ranging
from brilliant rose to carmine, often with white margin
or mottling, very striking..... | | 25 |
| 709 Friiled Tuberous-Rooted. Seed saved from selected,
best friiled flowers..... | | 25 |

Bellis Perennis Fl. Pl. ⊕

Double Daisy. 6 to 8 in.

A low growing spring flowering plant. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed.

- | | |
|---|----|
| 720 Snowball. Double pure white..... ½ oz. 50c | 10 |
| 721 Longfellow. Double dark pink..... ½ oz. 50c | 10 |
| 722 Double Good Mixture ½ oz. 25c | 05 |
| 723 Mammoth White. Larger than Snowball..... | 15 |
| 724 Mammoth Pink. Larger than Longfellow..... | 15 |
| 725 Mammoth Mixed | 10 |
| 726 Monstrosa White. Flowers frequently attain the size
of zinnias. The flower stems are long and stiff and
almost as thick as a pencil..... | 15 |
| 727 Monstrosa Pink | 15 |
| 728 Red, Double | 20 |
| 729 Rosy White, Double. Friiled..... | 20 |

CHATHAM, MASS., 1918.
"We had some Seeds from you last year and they were very satisfactory.
We had great luck with the Giant Snapdragon."
MRS. HERMAN A. HARDING.

GIANT CREGO ASTER



VAUGHAN'S

Our Asters are, with few exceptions, American grown. The culture of these glorious summer and fall flowers has absorbed the attention of the American seed growers for some years past and it has been proved our climate is ideal for the perfect growth of this family. With the perfect

Brief Cultural Directions.—Sow in April indoors or in cold frame in pots or flats. Transplant 1 inch apart when they have made third leaf. Plant out in May or early June. Prepare the beds by thoroughly spading over to a depth of one foot. Enrich the ground by the addition of rotten manure and leaf mold mixed through. Before planting it is advisable to soak the ground with a solution of one part of Vermine to four parts of water; this will rid it of all grubs, etc., that attack and destroy the young plants. A foot apart is about the correct distance to plant, but it varies according to the varieties. Use the hoe or rake often and with care between the plants to keep down weeds and to prevent the surface baking. Water regularly. A later sowing can be made in May, out-doors.

Semi-Tall Section. 11 in. to 16 in.

Daybreak (Improved American Victoria)

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

- | | | |
|-------------------------------|-------------------|-----------------|
| 410 Purity. Pure white..... | 413 Rose..... | Pkt. |
| 411 Daybreak. Shell pink..... | 414 Blue..... | |
| 412 Salmon..... | 415 Lavender..... | |
| Each of the above..... | | 1/8 oz. 30c 10 |
| 416 Mixed all colors..... | | 1/8 oz., 25c 10 |

Giant Comet

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader.

- | | | |
|---|---------------------|-----------------------------|
| 431 White..... | 435 Rose..... | |
| 433 Queen of Spain, soft yellow turning to flesh..... | 437 Crimson..... | |
| 439 Shell Pink..... | 438 Light Blue..... | |
| | 436 Purple..... | |
| | 440 Lavender..... | |
| | 441 Dark Blue..... | |
| Each of the above..... | | 1/4 oz. 40c; 1/8 oz. 25c 10 |
| 442 Mixed, all colors..... | | 1/4 oz. 35c; 1/8 oz. 20c 10 |

The Mikado

Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl on each other in such magnificent disorder as to make the fluffiest aster we have ever seen.

- | | |
|---|-----------------|
| 480 White..... | 1/8 oz., 25c 10 |
| 481 Pink Rochester. Exquisite shade of shell-pink. The official flower of the city of Rochester,..... | 1/8 oz., 30c 10 |

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

- | | | |
|----------------------------|---------------------|--------------------|
| 485 White..... | 488 Crimson..... | 491 Lavender..... |
| 486 Flesh..... | 489 Scarlet..... | 493 Dark Blue..... |
| 487 Pink..... | 490 Light Blue..... | |
| Each of the above..... | | 1/4 oz. 30c 10 |
| 494 Mixed, all colors..... | | 1/4 oz. 25c 10 |

Tall Section 16 inches and up

Giant Crego

The most beautiful of the newer types of American Branching Asters. They unite the elegant grace of the European Comet with the robust vigor and long stems of the American branching varieties. The flowers are of immense size, usually measuring from four to five inches in diameter, and borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. The petals of the refined and beautiful flowers are most attractively curled and twisted, resembling choice Japanese Chrysanthemums. The plants are of strong branching growth and usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

- | | | |
|----------------------------|------------------------|---------------------|
| 515 White..... | 518 Crimson..... | 521 Azure Blue..... |
| 516 Shell Pink..... | 520 Lavender..... | 522 Purple..... |
| 517 Rose Pink..... | Each of the above..... | |
| 523 Mixed, all colors..... | | 1/8 oz. 30c 10 |
| | | 1/8 oz. 25c 10 |

- | | |
|--|----------------|
| 524 Crown Mixed. Large flowered variety, each bloom of which has a clear white center. A most effective sort for cutting, as the stems are long and stiff..... | 1/8 oz. 20c 10 |
|--|----------------|

Dwarf Section. Up to 10 in.

- | | |
|---|----------------|
| 401 Vaughan's Snowball. The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequalled in any other dwarf aster..... | 1/2 oz. 40c 15 |
| 402 Vaughan's Fireball. The most brilliant dwarf aster. It forms a neat, well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots..... | 1/2 oz. 40c 15 |
| 404 Boltze's Dwarf Bouquet. Mixed, all colors. Pretty little plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. The flowers are the most distinct and delicate shade..... | 10 |
| 405 Gloria or Buttonhole. Very branching and free blooming. The flowers, 1 1/2 in. in diameter, are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases..... | 15 |
| 406 Dwarf Chrysanthemum Flowered, All Colors Mixed. Of very compact growth; 3 1/2-in flowers; free flowering and later than other varieties, therefore valuable for succession..... | 1/8 oz. 25c 10 |

Victory Vaughan's Asters Collection One 10 cent Pkt. each of Tall Asters Red, White and Blue of any variety, prepaid for 25c

Vaughan's Excelsior Mixture of Dwarf Asters



525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend planting our **Excelsior Mixture**. It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed especially selected for this mixture, insuring satisfaction to the grower..... 1/2 oz. 50c; large pkt. 25c; pkt. 15c

ASTERS

growth and giant size the seedsman has been encouraged to make selections of various characteristics which distinguish these types and now the American Asters resemble huge hothouse grown Chrysanthemums. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

Tall Section—Continued. 17 inches and up

Vaughan's Giant Branching

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

540 White	545 Crimson		
542 Flesh Pink	547 Lavender		
543 Rose Pink	548 Purple		Pkt.
Each of the above.....		oz. \$1.50	1/8 oz. 25c 10
549 Mixed, all colors.....		oz. 1.20	1/8 oz. 20c 10

SPECIAL OFFER

Vaughan's Giant Branching Asters. One (10c) pkt. each of 6 colors for 50c.

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

563 White	567 Rose	569 Silvery Lilac
565 Soft Pink	568 Crimson	570 Dark Blue
566 Lavender		
Each of the above.....		1/8 oz. 30c 10
571 Mixed, all colors.....		1/8 oz. 25c 10
572 Early Flowering Giant Ostrich Feather, White.....		10
573 Early Flowering Giant Ostrich Feather, Rose.....		10

Soleil D'or

574 **Golden Sun.** This is the best yellow Aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow. 15

The King

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

575 White	577 Rose	579 Violet
576 Pink	578 Crimson	580 Lavender
Each of the above.....		1/8 oz. 25c 10
581 Mixed, all colors.....		1/8 oz. 20c 10

The Royal (Early Flowering Branching)

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer.

585 White	587 Rose Pink	589 Purple
586 Shell Pink	588 Lavender	590 Mixed, all colors
Each of the above.....		1/8 oz. 25c 10

American Asternum

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form.

591 Snow White.....	1/8 oz. 30c	10
592 Rose Pink.....	1/8 oz. 30c	10
593 Lavender.....	1/8 oz. 30c	10

Other New American Varieties

- 595 **Lavender Gem.** One of the most charming sorts. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long firm stems. 1/8 oz. 30c 15
- 600 **Peerless Pink.** The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later. 15



THE KING ASTER

Other New American Varieties—Continued

- 601 **Crimson Giant.** This shade has been one which has seemed to lack intensity of color, but in this variety the blood red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden. 15
- 602 **Miss Roosevelt.** Primrose changing to flesh. 10
- 610 **Sensation.** Bushy and branching plant about two feet high, flowers double and incurved, resembling a Dahlia and the flower a lively cardinal red. This is the very best of the red Asters and the flowers are wonderfully attractive in the garden and when cut and used under artificial light the effect is charming. 15
- (See also Novelties in front of book).

Mixtures in Variety

- 611 **White Asters In Mixture.** Composed of all the tall growing white sorts. 1/8 oz. 25c 10
- 620 **Asters, Tall Mixture.** Many classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this, and the flowers will be in succession from early in the summer to late in the fall. 1 oz. 75c; 1/4 oz. 25c 10
- 621 **Asters, Dwarf Mixture.** This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely. 1/8 oz. 25c 10

Single Marguerite Aster

- Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last a week when cut.
- 627 **Marechal Joffre.** A large flowered single red; excellent for cutting. 15

Vaughan's Excelsior Mixture of Tall Asters

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of Tall Asters in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain. 1/8 oz. 50c; large pkt. 25c; pkt 15





CALENDULA (Pot Marigold)

Brachycome Iberidifolia ☉ 12 in.

(Swan River Daisy)

- Free flowering dwarf growing annuals, covered during the greater part of the summer with a profusion of pretty flowers.
- | | | | |
|--|---|-----------|-------------|
| 737 White | 739 Blue | 740 Mixed | Pkt. |
| Each of the above..... | | | 1/2 oz. 20c |
| 744 BRIZA Maxima (Quaking Grass), ☉ 12 in. | Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion..... | | 10 |

Browallia ☉ 1 ft.

- One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.
- | | |
|--|------------------------|
| 745 Speciosa Major. A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases... | 15 |
| 746 Elata Mixed. Blue and white..... | 10 |
| 748 BRYONOPSIS Laciniosa ☉ § 10 ft. An ornamental climber of the gourd family, bearing green fruit which change in color to bright scarlet striped white..... | 10 |
| 750 CACALIA ☉ 2 ft. (Tassel Flower or Flora's Paint Brush.) A very attractive border plant with brilliant orange-scarlet flowers, which are much prized for bouquets and vases..... | 1/2-oz. 20c |
| 755 CALCEOLARIA Hybrida Grandiflora (Pouchflower). Fine Mixed. ☉ 1 1/2 ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Is not of easy culture, but a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigered or spotted. There is a great variety of shades and colors in various markings..... | 300 seeds 25 |
| 840 CANARY BIRD VINE ☉ § 15 to 20 ft. A dainty vine with beautiful cut leaves and pretty delicate flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings expanded the plant obtained its common name. Does well in the shade..... | 1/2 oz. 15c; 1 oz. 25c |

Calendula (Pot Marigold) ☉ 1 ft.

One of the best and showiest free flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

- | | | |
|--|-------------|----|
| 766 Officialis, Orange King. The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange..... | 1/2 oz. 20c | 10 |
| 767 Officialis, Sulphur Queen. Large sulphur yellow..... | | 10 |
| 768 Officialis, Meteor. Apricot-orange, striped primrose... | | 05 |
| 769 Pongei Flore Pleno. Double white flowers..... | | 10 |
| 770 Mixed, all colors. For woodlands, wild gardens and perennial borders..... | 1/4 oz. 10c | 05 |
- CALIFORNIA POPPY. See Escholtzia.

Calliopsis (Tickseed) 6 in. to 2 ft.

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colours are highly appreciated.

- | | | |
|---|-------------|----|
| 780 Crown of Gold (Coronata Maxima.) Splendid cut-flower. Pure golden yellow, 2 to 3 inches across, on long wiry stems; hardy and blooms nearly all season.... | | 10 |
| 781 Golden Ray 6 to 8 in. Flowers golden yellow with dark purplish-brown center..... | 1/2 oz. 25c | 10 |
| 782 Drummondii, Golden Wave 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye.... | 1/4 oz. 10c | 05 |
| 783 Hybrida Superba. Forms dense bushes desirable for pots, groups and borders..... | 1/2 oz. 25c | 10 |
| 784 Radiata Tigrinia (Tiger Flower) 6 to 8 in. Flowers large reddish-brown, turning golden-yellow.... | 1/2 oz. 25c | 10 |
| 786 Crimson King. Large crimson flowers..... | 1/2 oz. 25c | 10 |
| 787 Golden King. A fine golden yellow..... | 1/2 oz. 25c | 10 |
| 788 Tall Varieties, Mixed. Valuable for wild gardens, etc., and for cutting..... | 1/4 oz. 10c | 05 |
| 789 Dwarf Varieties, Mixed. Valuable for small mixed beds and borders..... | 1/4 oz. 10c | 05 |
| 790 Double Mixed, all colors..... | 1/4 oz. 20c | 10 |
| 800 Vaughan's Special Mixture Calliopsis. This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it..... | 1/2 oz. 30c | 10 |



Candytuft ☉

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting the flowers are greatly prized.

- | | | |
|--|--------------|----|
| 845 Giant Hyacinth-Flowered White. 1 ft. A grand border plant, bearing very large bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock..... | 1/4 oz. 25c | 10 |
| 846 Empress. Pure white, splendid cut flower.... | 1/2 oz., 25c | 05 |
| 850 Queen of Italy. 8 in. The plants form dwarf bushes covered with large pink blooms. 1/4 oz., 25c; pkt., 10c. | | |
| 852 Umbellata Carminea. Carmine. 1/4 oz. 20c; pkt., 10c. | | |
| 854 Umbellata Purpurea. Crimson. 1/4 oz., 20c; pkt., 10c. | | |
| 856 Umbellata Lilacina. Lilac. A particularly charming color. 1/4 oz., 25c; pkt., 10c. | | |
| 857 Dwarf Hybrids Mixed. Plants of fine compact growth, covered with large flowers ranging in color from rose, salmon, coral pink and delicate blush, to lilac and purple crimson; valuable for borders and cutting 1/4 oz., 25c; pkt., 10c. | | |
| 860 Mixed, all colors. Lb., \$1.80; 1/4 lb., 50c; oz. 25c; 1/2 oz., 15c; pkt., 5c. | | |



CANDYTUFT—Giant Hyacinth-flowered

Canna 2½ to 8 ft.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. No park, no public garden, private estate, or even moderate town plat is complete this summer without a showing of Cannas. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants may be produced at a much reduced cost.

- For **Canna roots and plants** see our named list in back of catalogue.
 900 **Giant Flowered, Mixed.** These are saved from our own Pkt. collection at Western Springs..... 1 oz., 35c; ¼ oz. 20c 10

Cardinal Climber ☉ § 25 ft.

- 901 This is a very attractive, strong and rapid grower, attaining a height of twenty-five feet with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st.
 2 pkts., 25c; 5 pkts., 50c; 25 seeds, 15

Vaughan's Mixture of Annual Flower Seeds

For Cut Flowers

- 902 This will produce a glorious amount of flowers for cutting. We would suggest planting this in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged as the more one cuts the more one has to cut. The secret being not to allow any seed pods to form.
 ¼ oz., 20c; oz., 50c; large pkt..... 10

Carnations ☉ ☉

The Carnation has long been prized as a hardy border flower, and it certainly deserves all the praise lavished upon it. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favourite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

- 910 **Chabaud Mixed.** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion..... 100 seeds 15
 911 **American Hybrids.** A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession..... 35 seeds 25
 914 **Marie Chabaud.** Pure canary yellow..... 50 seeds 15
 918 **Glowing Coal.** Intense brilliant scarlet..... 50 seeds 15
 920 **Guillaud Riviera Market.** Nearly all double flowers of fine form and delicate shades, including yellow, all fragrant 25
 930 **Giant Margaret Mixed.** Flowers of very large size, measuring 3 in. or more in diameter; colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support, their yield of flowers is wonderful..... 100 seeds 15c



CALLIOPSIS (Tickseed)
 (See preceding page)

- 931 **Giant Margaret White.**
 50 seeds..... 15c
 950 **Margaret, Double Mixed.**
 952 **White 954 Yellow**
 956 **Pink 958 Striped**
 960 **Red**

Each of the above Pkt..... 10c

975 VAUGHAN'S SPECIAL MIXTURE.



This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in Sept., potted and will bloom all winter in the house.
 100 seeds..... 25c



THE CHINESE WOOLFLOWER

Celosia (Coxcomb) ☉ 8 in.

Cristata or Crested Dwarf Sorts

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

- 1010 **President Thiers.** Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs..... Pkt. 10
 1014 **Empress.** Blood red combs and brown foliage..... 10
 1016 **Aurea.** Golden yellow combs..... 1/8 oz. 75c 10
 1018 **Rosea.** Pink combs..... 1/8 oz. 75c 10
 1019 **Dwarf Mixed.** All the above and others..... 1/8 oz. 30c 10
 1021 **Tall Coxcomb Mixed,** 18 to 24 in..... 1/8 oz. 20c 10

Plumosa or Plumed Varieties, 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

- 1022 **Plumosa Aurea.** Orange ostrich plume..... 1/8 oz. 25c 10
 1024 **Plumosa Coccinea.** Crimson ostrich plume..... 1/8 oz. 25c 10
 1025 **Plumosa mixed, all colors.**..... 1/4 oz. 15c 05
 1026 **Plumosa Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias..... 1/4 oz. 25c 10
 1027 **Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades..... 15
 1028 **The Chinese Woolflower (Celosia Childsi).** Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet..... 15
 1029 **Spicata.** Plants are erect and grow 3 feet in height, branching freely, each stem terminating in a round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver white, so that a fully developed spike resembles a slender silver plume with a bright carmine tip..... 05
 1032 **Dwarf Plumosa Mixed.**..... 10



CENTAUREA CYANUS

CENTAUREA IMPERIALIS

CENTAUREA MOSCHATA

- 1039 **CENTAUREA Americana**. 3 ft. A splendid native Pkt. variety; bears immense thistle-like blooms of rosy-lavender color..... ½ oz. 40c 10
 1040 **Americana Alba** ⊙ 2½ ft. Star Thistle. Immense heads of double fluffy blooms, almost pure white.... ½ oz. 50c 10


Centaurea Cyanus (Bachelor's Button) ⊙ 2 ft.

Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes.

Single Flowering Varieties


- 1041 **White** ½ oz. 35c 1043 **Dark Purple**
 1042 **Blue Emperor** ½ oz. 20c; lb. \$4.00 1044 **Rose**
 Each of the above, packet 10c
 1045 **Mixed, all colors**..... ½ oz. 15c; ¼ lb. 75c 05

Double Flowering Varieties

- 1047 **Blue**. 1048 **Lawson Pink**. Each, oz. 60c; ¼ oz. 20c 10
 1049 **Double Mixed**..... ½ oz. 25c 10
 1050 **Dwarf Victoria**. 9 in. Edging, blue..... 10
 1051 **Vaughan's Special Mixture of Bachelor's Buttons**, double and single varieties. 1 oz. 60c.  10

Imperialis (Giant Sweet Sultan), 2½ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems; when cut will last for several days in good condition.

- 1064 **White**. 1065 **Lilacina**. Dark Lilac.
 1066 **Favorita**. Brilliant Rose 1067 **Splendens**. Purple crimson
 1068 **Rose and White**. Each of the above..... ¼ oz. 20c 10
 1069 **Mixed, all colors**..... ¼ oz. 15c 10
 1070 **Moschata Mixed**. Sweet Sultan, white, red and blue... 05
 1071 **Suaevolens**. Yellow Sweet Sultan..... ½ oz. 30c 05
 1072 **Vaughan's Special Mixture of Centaureas** is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer..... ½ oz. 40c  10

- 1073 **CENTAUREA Candidissima** ↘ 10 in. Thick silvery white leaves, used for bedding purposes..... 10
 1074 **CENTAUREA Gymnocarpa Dusty Miller** 1 ft. Foliage finely cut of silvery gray color, used for bedding..... 10
 1075 **CENTROSEMA Grandiflora Butterfly Pea**. ⊙ § ↘ 10 ft. Sometimes called "Look at me" a hardy vine, blooms in July from seeds sown in April bears in profusion, inverted pea-shaped flowers; rosy violet to reddish purple in color 10

Chrysanthemum ⊙ 2½ ft.

Showy and effective family of plants of varied character extensively grown for cut flowers.

Single Flowering Varieties

- 1088 **Morning Star**. Primrose with golden yellow center.. 10
 1089 **Evening Star**. Large golden yellow flower.... ¼ oz. 15c 10
 1090 **Carinatum, Eclipse**. Yellow with dark brown disk.... 10
 1092 **Golden Feather**. Foliage striking yellow; flower with a crimson ring near center..... ¼ oz. 15c 10

Chrysanthemum, Single Flowering—Continued


- 1094 **The Sultan**. Crimson maroon..... ¼ oz. 15c Pkt. 10
 1095 **Silver Queen**. Flowers pure white with a zone of clear bright yellow overlaid with silver..... ¼ oz. 15c 10
 1095a **Mixed, Single Annual Varieties**..... 10

Double Flowering Varieties

The coronarium varieties are dwarf selected strains of compact habit and with fine double flowers. They are most valuable border and bedding plants, and provide large quantities of cut bloom during the summer.

- 1096 **Coronarium, Double White**..... ¼ oz. 15c 10
 1097 **Double Golden Yellow**..... ¼ oz. 15c 10
 1098 **Double Sulphur Yellow**..... ¼ oz. 15c 10
 1099 **Double Mixed**..... ¼ oz. 15c 10

The Dunnetti varieties are of upright growth, producing flowers two inches across.


- 1100 **Dunnetti, Double White** 1101 **Double Yellow**.. 10
 1102 **Inodorum Plenissimum, Bridal Robe**. 10 in. Double pure white flowers..... ½ oz., 40c 10
 1110  **Vaughan's Special Mixture of Annual Chrysanthemums**. Single and double sorts in finest mixture including many new varieties not catalogued above..... ½ oz. 25c 10

The following are valuable for winter-flowering in pots.

- 1112 **Frutescens** ↘ **Paris daisy or Marguerite**. Large white star-shaped flowers..... ½ oz. 15c 10
 1114 **Chinese and Japanese Varieties Mixed**. If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall..... 100 seeds 15

Cineraria ⊆ 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and their handsome flowers may be enjoyed by any one possessing an ordinary greenhouse where frost is excluded.

- 1120  **Vaughan's Columbian Mixture**. This is a mixture of the finest strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors..... 25
 1121 **Hybrida, Good Mixed**..... 10
 1122 **Radiata Polyantha**. 2 to 3 ft. The small starry flowers are borne in profusion in loose panicles in many pleasing shades of crimson, rose blush, white, azure and violet 25
 1123 **Maritima, Diamond**. For edging, silvery foliage..... 10

Clarkia ⊙ 2 ft.

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

- 1124 **Apple Blossom**. Double flowers, apple-blossom pink 10
 1125 **Brilliant**. Double flowers, produced on long spikes of a brilliant salmon scarlet..... ¼ oz. 30c 10
 1126 **Chamois**. 1127 **Flesh**. Double flesh pink, each 10
 1129 **Salmon Pink**. Double salmon..... 10
 1130 **Scarlet Queen**. The flowers are a double orange salmon and develop to a glowing orange scarlet..... ½ oz. 25c 10
 1131 **White Prince**. Very double, pure white..... ¼ oz. 30c 10
 1132 **Elegans, Double and Single Mixed**..... 1 oz. 25c 10



VAUGHAN'S EARLY

MAMMOTH COSMOS

- 1133 **CLEOME Pungens (Spider Wort)** ⊙ 5 ft. A showy Pkt. garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant. ½ oz. 25c 10
- 1136 **CLIANTHUS Dampieri (Glory Pea of Australia)**, △ 2 ft. Clusters of bright red flowers with black spot, 15 seeds 25
- 1134 **COBAEA Scandens Cathedral Bells** ⊙ § 30 ft. One of the handsomest and rapid growing climbers. The flower are bell-shaped and opens a clear green but turns a beautiful purplish lilac. Seed should be sown edge-wise. A very vigorous and prolific bloomer. ¼ oz. 15c 05
- 1135 **Flore Albo.** White. ¼ oz. 30c 10
- 1136 **Mixed.** White and blue. 10
- 1146 **COCCINEA Indica** ⊙ § A remarkably pretty annual climber; luxuriant Ivy-like foliage; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white. ½ oz., 25c 10
- 1148 **COIX Lachrymae (Job's Tears)** ⊙ 2 to 4 ft. The seed is frequently used as an old-fashioned remedy for sore throat, goiter and teething babies. It is strung on a linen thread and worn around the neck as a chain. 1 lb. 60c; ¼ lb. 20c; 1 oz. 5c
- 1150 **COLEUS, Vaughan's Mammoth Rainbow Mixture** ▽ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich 20
- 1152 **Fine Mixed.** 10
- 1154 **COLLINSIA Mixed** ⊙ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. 1 oz. 25c 05
- 1156 **COMMELINA Sellowiana** ▽ 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms of dainty blue color. ½ oz., 50c 10



Convolvulus (Morning Glory) ⊙ §

Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

- 1160 **White** 1162 **Crimson** 1164 **Blue**
- 1161 **Rose** 1163 **Striped** 1165 **Lilac**
- Each of the above. 1 oz. 20c 05
- One packet each of above 6 for 20c.

Victory Collection	Morning Glories One pkt. each Red, White and Blue. 10c	
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- 1166 **Mixed, all colors.** 1 lb. 80c; ¼ lb. 25c; 1 oz. 10c 05
- 1168 **Double Mixed.** The flowers are double and semi-double and some are fringed. ½ oz. 20c 10
- 1169 **Double Snow Fairy.** The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower. ½ oz., 35c 10

Convolvulus—Continued

- 1170 **Mauritanicus.** Beautiful trailing plant, completely covered with lavender blue flowers which remain open all day. For a hanging basket either on a porch during summer or in a window in winter it is charming. 10

Minor—Dwarf or Bush Varieties 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

- 1171 **Blue.** 1172 **Rose Queen.** . . . Each 1 oz. 20c 05
- 1173 **Mixed, all colors.** lb. \$1.00; 1 oz. 15c 05
- 1174 **COSMIDIUM Orange Crown** ⊙ 2 ft. The flowers are golden-yellow with a broad circle of a rich orange around the disk, a pleasing combination. Plants produce a succession of bloom all summer. 10

Cosmos ⊙ 4 to 6 ft.

This beautiful annual is one of the most showy and useful of our garden plants. Plants are very bushy and compact. Flowers borne on long delicate stems and are similar to single Dahlias. Foliage very finely cut.

Early Flowering Mammoth

These are the only kind we would recommend planting north of the latitude of Middle Illinois, as the late, or Giant flowered varieties are nearly always caught by early frost. We have dropped the ordinary Early Flowering varieties which produce small flowers and now offer only these Mammoth Early Flowering sorts.

- 1180 **White.** 1181 **Pink.** 1182 **Crimson.** . . . Each 10
- 1185 **Early Flowering Mammoth Mixed, all col's.** ¼ oz. 20c 10

Late or Giant Flowered

For sowing south of the latitude of Middle Illinois.

- 1187 **Crimson Ray.** A distinct beautiful type. The petals, greatly increased in number, are narrow and fluted, separated in star-like form and of the most brilliant crimson color overlaid with a velvet sheen. 10
- 1188 **Crimson.** ½ oz. 15c 05
- 1189 **White Lady Lenox.** 10
- 1190 **Pink Lady Lenox.** ½ oz. 25c 10
- 1191 **Marguerite.** Fringed, finest mixed. 10
- 1192 **Striped.** Large white centers, petals striped white 10
- 1195 **Giant Mixed.** 1 oz. 25c; ½ oz. 15c 05
- 1196 **Klondyke.** A gorgeous orange-yellow flower with very handsome foliage more coarsely lacinated than others. 10

For New Double Sorts see the Novelty pages.

- 1202 **CUPHEA Platycentra (Cigar Plant)** ▽ 10 in. Small scarlet and black tubular flowers; dark green foliage. 20
- 1203 **Purpurea.** 10

Cyclamen (Alpine Violet) △ 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

- 1205 **Giant Flowered Cyclamen. Mixed, extra choice.** 10 seeds 15c; 20 seeds 25c; 100 seeds 65c ..

Giant English Grown

- 1206 **Princess May.** Pale pink. 1207 **Salmon King.** Salmon.
- 1208 **Duke of Fife.** Dark rose.
- 1209 **Rosy Morn.** Delicate rose color. Claret base.
- 1210 **Grandiflora Alba.** The largest giant white grown.
- 1211 **Excelsior.** White, with red base.
- 1212 **Brilliant Giganteum.** Fiery crimson.
- 1213 **Princess of Wales.** Deep pink.
- Each of the above 10 seeds 20c; 100 seeds \$1.50 ..



DIANTHUS (Annual Garden Pinks)

Cyclamen—Continued

- 1214 **Saint George.** The foliage is beautifully margined silver, flowers rich salmon 10 seeds, 30 cts; 25 seeds 75
- 1214a **Crimson St. George** 25 seeds 75
- 1215 **Mrs. L. M. Graves.** Brilliant salmon scarlet. .10 seeds, 25
- 1216 **Queen Mary.** Salmon with claret base. 10 seeds, 25
- 1217 **Mixed, all colors, English varieties.** 10 seeds, 15c. 100 seeds, \$1.25
- 1227 **CYPERUS Alternifolius (Umbrella Plant)** 1½ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape 10

Cypress Vine ☉ \$ 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

- 1228 **White** 1229 **Scarlet** ½ oz. 25c 05
- 1230 **Mixed** ½ oz. 20c 05
- 1231 **Ivy-Leaved Scarlet.** A rapid growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers. 10

Dahlia ☉ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

- 1232 **Collarette, Mixed Colors.** Flowers of various colors, adorned with a collar of small petals around the center, novel and beautiful. ¼ oz. 30c 10
- 1233 **Colossal.** The flowers are composed of three or more whorls of wide overlapping petals—one above the other. Stems are long and rigid, bearing flowers well above the foliage; the colors are rich and varied. ¼ oz. 30c 10

Dahlia—Single Flowering—Continued

- 1234 **Twentieth Century.** Immense single flowers, 4 to 6 inches across, white, marked carmine and pink; very handsome. ½ oz. 30c 10
- 1235 **Giant Perfection Mixed.** The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color ¼ oz. 25c 10
- 1236 **Striped Mixed** 10

Dahlia—Double Flowering

- 1237 **Double Good Mixed** ½ oz. 35c 10
- 1238 **Double Cactus Flowered Mixed.** With twisted and curled petals. ½ oz. 35c 15
- 1239 **Double Best Mixed.** Saved from show and fancy sorts. 25
- 1240 **Vaughan's Special Mixture.** This mixture contains seeds from the best collections in Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts. 60 seeds 25



See also novelties.
DAISY, see Bellis, Agathea, Arctotis, Brachycome, Chrysanthemum Maximum and Frutescens, and Dimorphotheca.

Datura (Angel's Trumpet) ☉ 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make grand pot plants for the greenhouse.

- 1242 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, like three cones, one within the other, color rich violet, with white interior. ¼ oz. 20c 10
- 1243 **Golden Queen.** Very large double bright yellow flowers, a fine pot plant. ¼ oz. 20c 10
- 1244 **Double White** ¼ oz. 15c 05
- 1245 **Double Fine Mixed** ¼ oz. 15c 05

Delphinium (Annual Larkspur) ☉

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The **Emperor, Hyacinth-flowered and Branching varieties** bloom a little later than the **Stock-flowered.** Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

Stock-Flowered

- 1261 **Lustrous Carmine (Newport Pink)**
- 1262 **Flesh Color** 1264 **White** 1266 **Bright Rose**
- 1263 **Blue** 1265 **Dark Blue** 1267 **Sky Blue**
- Each of the above ¼ oz. 25c; 1 oz. 80c 10
- 1268 **Mixed all colors** 1 oz., 60c; ¼ oz., 20c 05
- 1269 **Giant Hyacinth-Flowered Mixed 3 ft.** Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. ¼ oz. 15c; 1 oz. 50c 05
- 1270 **Tall Rocket Mixed 2½ ft.** Throws up one single column of bloom. ¼ oz. 10c; 1 oz. 25c 05
- 1275 **Dwarf Rocket Mixed 1 ft.** ¼ oz. 10c; 1 oz. 25c 05
- 1281 **Emperor Mixed.** Produces an abundance of long, slender spikes in the most delicate colors. ¼ oz. 10c 05
- 1285 **Vaughan's Special Mixture, Annual Larkspurs.** A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. 1 oz., \$1.00; ¼ oz. 30c 10



Dianthus (Garden Pinks) ☉ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly.

Single Flowering

- 1286 **Crimson Belle.** Large handsome flowers, crimson. 05
- 1287 **Eastern Queen.** Large and beautiful flowers, marbled rose and white. ¼ oz. 20 05
- 1288 **Salmon Queen.** Salmon scarlet 10
- 1289 **Mephisto.** Salmon margined dark brown 10
- 1290 **Mirabilis. (Single Wonder Pink.)** The petals are deeply cut into fine strips of threadlike fringes. All shades from pure white to deep purplish red. ¼ oz. 25c 10
- 1291 **The Bride.** White with purple center. ¼ oz. 25c 10
- 1292 **Vesuvius.** Bright geranium red ¼ oz. 25c 10
- 1293 **Chinese Single Mixed** ¼ oz. 15c 05

Dianthus, (Pinks) Single Flowering—Continued Pkt.

- 294 **Japan Single Mixed.** Great range of colors. . ¼ oz. 20c 05
- 295 **Laciniatus Mixed.** Single fringed flowers. . . ¼ oz. 20c 05
- 326 **Vaughan's Special Mixture, Single Pinks.** This is a selection from the choicest sorts in cultivation. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson. ¼ oz. 30c. 10



Dianthus, Double Flowering

- 327 **Chinensis Double Mixed.** Blooms in clusters, flowers very double and in a large range of colors. . ¼ oz. 10c 05
- 328 **Count Kerchove.** Dark red double flowers, each petal having a velvety black blotch. 10
- 329 **Diadematus Double Mixed.** Beautiful flowers in various shades with the outer edges fringed and almost white. ¼ oz. 25c 05
- 338 **Imperialis, Double Mixed.** Bushy grower. . . ¼ oz 20c 05
- 339 **Laciniatus, Double Mixed.** Flowers deeply lacinated 10
- 340 **Mirabilis Flore Pleno. (Double Wonder Pink).** Flowers are like fringed balls in many attractive colors 10
- 341 **Mourning Cloak.** Flowers very dark velvety crimson, each petal being strikingly edged white. . . . ⅛ oz. 20c 10
- 342 **Fireball.** Scarlet, compact, floriferous. . . . ⅛ oz. 30c 10
- 343 **Snowball.** Compact, fringed white flowers. . . ⅛ oz. 25c 10
- 344 **Snowdrift.** Large double white flowers, finely lacinated. 10
- 345 **Vaughan's Special Mixture of Double Pinks.** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades, plain edged and fringed. ¼ oz. 30c 10



- 350 **Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. We cannot recommend this mixture too highly. ¼ oz. 30c 10

DIGITALIS (Foxglove) see Perennial Pages.

- 383 **DIMORPHOTHECA Aurantiaca. (Golden Star of the Veldt.)** © 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun. ¼ oz. 30c 10
- 384 **Aurantiaca Hybrida.** They vary in color from the purest white to red and blush, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose. 15

Dolichos (Hyacinth Bean) © \$ 10 ft.

A rapid growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

- 385 **Princess Helen (Daylight).** Snow white flowers followed by silvery white seeds pods. 1 oz. 25c 05
- 386 **Purple Soudan (Darkness).** Attractive rose-violet flowers with dark ruby-purple seed pods. 1 oz. 25c 05
- 387 **Mixed, all colors.** 2 ozs. 35c; 1 oz. 20c 05
- 391 **Bush.** Dwarf white. 10
- 392 **Lignosus (Australian Pea Vine.)** A rapid growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. For covering arbors, trellises, etc., it has no superior. 10

- 396 **DRACAENA Indivisa** 2 ft. Ornamental leaved plants; long narrow, green leaved foliage. 10
- 397 **Indivisa Lineata** ¼ oz. 15c 10
- 398 **Indivisa Latifolia** ¼ oz. 25c 10
- 399 **Australis.** ¼ oz. 25c 10
- 400 **DRACOCEPHALUM Moldavicum** ©. A showy annual producing long blue spikes. Fine for bees. oz. 30c 05
- 414 **ERYTHRINA Crista Galli (The Coral Tree.)** 4 ft. A grand plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. 15



Escholtzia (California Poppy) © 1ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

- 1415 **Alba.** Paper White. 05
- 1416 **Californica.** Large pale yellow, ¼ lb. 60c; 1 oz. 20c 05
- 1418 **Carmine King.** Beautiful carmine rose color, both on the interior and exterior of the flower. ½ oz. 30c 10
- 1420 **Canaliculata Rosea.** Beautiful rosy pink flowers. . . 10
- 1421 **Dainty Queen.** Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream 10
- 1422 **Golden West.** Flowers bright yellow and orange, penciled and blotched. ¼ lb. 80c; ½ oz. 20c 05
- 1424 **Mandarin.** Inner side of the petals rich orange, the outer side brilliant scarlet. ½ oz. 20c 05
- 1425 **Maritima.** Canary yellow with orange center. 05
- 1426 **Mikado.** Flowers lustrous orange-crimson, very brilliant 10
- 1427 **Rose Cardinal.** Flowers pretty dark rose, inside blush 10
- 1428 **Mixed, all colors.** Many shades. . . ¼ lb. 50c; 1 oz. 20c 05
- 1429 **Double and Semi-Double Mixed.** ¼ oz 15 10
- 1430 **Vaughan's Special Mixture.** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence See also novelties. 1 oz. 75c; ½ oz. 40c 10



- 1432 **EUCALYPTUS Globulus (Blue Gum)** Admirable for sub-tropical bedding or greenhouse decoration. 10

Euphorbia © 2 ft.

Strong growing annuals, for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

- 1436 **Heterophylla (Mexican Fire Plant).** Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn a vivid orange scarlet. . . . ¼ oz. 15c 10
- 1437 **Variiegata (Snow on the Mountain or Mountain Spurge).** 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. 10
- 1438 **EVERLASTINGS. Mixed** © 1 to 2 ft. ¼ oz. 15c 10
- 1439 **Collection of Everlastings.** 1 pkt. each *Acrocinium roseum*; *Ammobium alatum*, *Gomphrena* mixed, *Rhodanthe* mixed, *Helichrysum* mixed (regular 5c pkt.), and *Xeranthemum* mixed. 6 pkts. 25

For named sorts of Everlastings see *Acrocinium*, *Ammobium*, *Gomphrena*, *Helichrysum*, *Rhodanthe*, *Xeranthemum*, *Lunaria* and *Statice*.



EUPHORBIA Variegata (Snow on the Mountain)



GAILLARDIA Lorenziana



GODETIA

Freesias

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed.

- 1441 **Refracta Alba.** White..... Pkt. 05
- 1442 **Ragioneri Hybrids.** Very attractive because of their unique colorings and shadings..... 15

FORGET-ME-NOT.—See Myosotis.

FOUR O'CLOCK.—See Mirabilis.

- 1446 **FUCHSIA Hybrida (Ladies' Eardrop), Double and Single Mixed** 1 to 4 ft. Well known greenhouse plant, blooms from seed first year if planted early..... 20

Gaillardia (Blanket Flower) 1 1/2 ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

- 1447 **Amblyodon.** Flowers deep red..... 10
- 1448 **Picta Single Mixed**..... 1/4 oz. 15c 05
- 1450 **Lorenziana Double Perfection Mixed.** Large handsome heads of double quilled flowers in rich shades of red and yellow..... 1/4 oz. 20c 05
- 1462 **GAURA Lindheimeri** 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost..... 10

Geranium 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

- 1465 **Zonale Varieties.** Saved from a choice collection..... 10
- 1466 **Large Flowering, Newest Varieties Mixed.**... 50 seeds 15
- 1467 **Apple-scented.** Leaves fragrant..... 25 seeds 10
- 1468 **Lady Washington (Odier).** Large flowering, beautifully blotched..... 15 seeds 25
- 1469 **GERBERA Jamesoni Hybrids.** 3 The flowers bear long graceful petals with small eye. This strain comprises a great variety of pleasing shades.... 25 seeds 25
- 1469A **GLADIOLUS, Many Varieties Mixed.** Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming..... 10
- 1469b **Primulinus Hybrids.** The range of colors is very remarkable, from the purest and lightest of yellows down to the deepest orange and from the softest shade of salmon pink down to a rich crimson. On account of their slender and graceful habit, and delicate colors we believe these New Hybrids will be appreciated..... 25
- 1470 **GILIA Mixed** 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer..... 1 oz. 20c 05
- 1472 **GLOXINIA, Vaughan's International Mixture** 12 in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors..... 25



Godetia 1 1/2 ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

- 1474 **Duchess of Albany.** 1477 **Lady Satin Rose.**
Pure white. Bright carmine.
- 1475 **Gloriosa.** Deep 1478 **The Bride.** White
blood red. and red.
- 1476 **Rosamunde.** Fiery rose.
- 1480 **Double Rose.** 1481 **Double Mixed.**
Each of the above, 1/4 oz., 25c..... pkt.
- 1479 **Many Sorts and Colors Mixed.**..... 1/2 oz. 25c
- 1482 **Dwarf Sorts Mixed.** Neat globular, about 10 in. in height..... 1/4 oz. 25c

Gomphrena (Globe Amaranth)

A showy annual everlasting with clover-like heads.

- 1483 **Globosa Alba.** White. 1485 **Globosa Orange.**
- 1484 **Rubra.** Red. Each of the above... pkt.
- 1486 **Mixed, all colors.**..... 1/4 oz. 15c; pkt.

Gourds 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

- 1487 **Apple-shaped.** Beautifully striped.....
- 1488 **Bottle.** The original Thermos bottle. Used by the pilgrims in the orient.....
- 1489 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used to an advantage in making pipes.....
- 1490 **Dipper.** Makes an excellent dipper.....
- 1491 **Dishcloth or Towel.** Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left.....
- 1492 **Hercules Club.** Fruit grows 3 to 4 ft. long.....
- 1493 **Japanese Bottle.**.....
- 1494 **Japanese Nest Egg.** Fruit looks exactly like a hen's egg and may be used as nest eggs.....
- 1495 **Knob Kerrie.** The fruits are of fantastic shape. To the ball-like base—3 to 4 inches in diameter—is attached a slender handle or stem, 2 and often 3 feet in length. While developing they are deep green in color, changing as they mature to a richly mottled yellow.....
- 1496 **Orange.** The well known Mock Orange.....
- 1498 **Ornamental Pomegranate or Queen's Sweet Pocket melon.** Fruit deliciously perfumed and may be carried in the pocket or laid among linens.....
- 1500 **Pear Shaped.** Striped yellow and green.....
- 1502 **Sugar Trough.** Thick shells, very durable.....
- 1504 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a part of the side of the bowl a satisfactory spoon may be made.....
- 1505 **Turk's Turban.** Odd brightly colored fruit.....
- 1506 **Small Fruited Varieties Mixed.**... 1 oz. 35c; 1/2 oz. 20c
- 1510 **Mixed, all varieties.**..... 1 oz. 30c; 1/2 oz. 20c



HELICHRYSUM (Straw-Flower)

GYPSOPHILA ELEGANS GRAND ALBA

HELIOTROPE—Mammoth Flowered

515 **GRASSES—Ornamental Mixed** ☉ 2 to 5 ft. These are Pkt.
most useful for winter bouquets when combined with
Everlasting flowers. They are easily grown in any soil. 10

Grasses, Ornamental, see *Agrostis Nebulosa*, *Briza Maxima*; *Coix
achrymae*, *Cyperus Alternifolius*; *Pennisetum Longistylum*; *Pennisetum
uppelianum*; *Zea Japonica*.

520 **GREVILLEA Robusta (Silk Oak)** 1 to 5 ft. It is
easy to manage, grows rapidly from seed, and is pretty
in all stages of growth; with its long drooping silky
foliage it reminds one of a palm or fern. 10

Gypsophila ☉ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting
and combining with other flowers for bouquets and vases.

522 **Elegans Grandiflora Alba (Angel's Breath)**. This
is an improved, large-flowering, pure white, of free,
easy growth. Several sowings should be made during
the season to keep up a supply ¼ oz. 10c 05

523 **Elegans Carminea** 05

524 **Elegans Rosea**. Soft pink ¼ oz. 15c 05

525 **Muralis**. 6 in. A lovely little rock or edging plant
with rose-pink flowers ¼ oz. 25c 10

Helianthus (Sunflower) ☉

These comprise plants of majestic growth and immense showy flowers,
suitable for shrubberies, woodlands, wild gardens and subtropical gardening;
the dwarfier kinds, with smaller flowers, are charming when grouped in mixed
border borders. Excellent for cutting.

Large Flowered Tall

526 **Annus Purpureus, Gaillardia-flowered or Red
Sunflower**. 4 to 8 ft.. Some flowers of a rich chestnut-
red color, others tipped with yellow and others slightly
washed with red. The flowers vary from a few inches
to nearly a foot in diameter, and are of good form,
usually having a small disc, and often two rows of long,
slightly curled rays 10

527 **Argyrophyllus**. 4 ft. Handsome silvery foliage, single
bright yellow flowers enhanced by a black disk; perfect
pyramidal growth. A specimen plant will attain the
shape of a Christmas tree, the flowers having the effect
of candles ½ oz. 15c 05

528 **Californicus Fl. Pl.** 5 ft. Double dark yellow. 1 oz. 10c 05

529 **Chrysanthemum Flowered Double**. 6 ft. Golden
yellow flowers 1 oz. 10c 05

530 **Double Mixed** 1 oz. 20c 05

531 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or
dahlia sunflower. Flowers a rich saffron color. 1 oz. 20c 05

532 **Primrose Queen Double**. 5 to 6ft. Large numbers of
medium-sized pale sulphur yellow flowers are produced
on short straight stems. 10

533 **Nanus Flore Pleno**. 2½ ft. Double dwarf, beautiful
for massing in beds 1 oz. 20c 05

534 **Russian Mammoth**. Single, of gigantic dimensions.
For larger amounts see Farm seed pages. 1 oz. 50c

HELIANTHUS—Continued

Miniature-Flowered Dwarf

The following varieties of *Helianthus cucumerifolius* form spreading
bushes with small graceful foliage and bear a multitude of small elegantly
formed flowers, which are borne for a long time in succession, and are
invaluable as cut flowers.

1535 **Cucumerifolius**. The first introduction of these Pkt.
charming small sunflowers, flowers rich golden yellow
with brown black center. 05

1536 **Stella**. Large golden yellow petals, small dark center 05

1537 **Orion**. Petals rolled resembling Single Cactus Dahlia 05

1538 **Purpureus**. Flowers shades of red and yellow. 05

1539 **Double Hybrids**. Double and semi-double flowers. 10

1540 **Liliput, Baby Sunflower**. 6 to 8 in. The plants are
of a somewhat creeping growth, similar to those of
Verbenas. Flowers are single, bright yellow, dark disc. 10

1541 **Vaughan's Special Mixture**. Includes all the
above of *cucumerifolius* varieties. 10



1542 **Vaughan's Special Mixture** of all the single
and double sunflowers. ½ oz. 25c 10



Helichrysum ☉ 2 to 3 ft.

Helichrysms are an ornament to the garden when growing, and are
everywhere prized for the winter decoration of vases, and for durable
bouquets. Flowers intended for drying should be gathered when partially
unfolded and suspended with their heads downward in a cool place.

1546 **Silver Ball**. White. 1550 **Salmon Queen**.

1547 **Fire Ball**. Red. Salmon Pink.

1548 **Golden Ball**. Yellow. 1551 **Violet Queen**. Violet.

1549 **Rose Queen**. Carmine rose.

Each of the above, pkt., 10c.

1552 **Mixed, all colors** ½ oz. 20c 05

1553 **Vaughan's Special Mixture**. This mixture
of *Helichrysum* is an improved large-flowered
strain containing many new and exquisite
shades and won for itself a place in our 1917



front cover. ¼ oz. 25c 15

Heliotrope 2 ft.

Heliotrope is a universal favorite on account of its delightful fragrance
and duration of bloom flowering equally well as bedding plants in summer,
or as pot plants in the house during the Winter. Seed sown in the Spring
makes fine plants for bedding out, and are as easily grown as Verbenas.

1555 **Mammoth Mixed**. Flowers of great size and ranging
in shade from dark blue to lilac. ½ oz. 50c 15

1556 **King of the Blacks**. Deep purple; almost black. 15

1560 **Fine Mixed** ¼ oz. 25c 10



VAUGHAN'S JAPANESE MORNING GLORIES

Hollyhocks (Annual) ⊙ 5 ft.

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. They are continuously covered with large flowers in many beautiful colors.

- 1571 **Everblooming Single Mixed.** Large single flowers exhibiting every shade known in Hollyhocks. ½ oz. 25c 10
 1575 **Everblooming Double Mixed.** Double and semi-double (For other Hollyhocks see Perennial List). 10

Humulus Japonicus (Japanese Hop) ⊙ \$20ft.

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, draught and insects do not trouble it.

- 1580 **Green Leaved**..... ¼ oz. 15c 05
 1582 **Variiegated Leaved.** The large handsome leaves are beautifully variegated, white, green and yellow ¼ oz. 15c 05
 1590 **HUNNEMANNIA Fumariaefolia (Bush Escholtzia)**
 ⊙ 1½ ft. The plants grow into a shrubby bush and produce their large cupshaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cutblooms keep in water two weeks. Oz., 60c; ¼ oz. 20c 10
HYACINTH BEAN. See *Dolichos*.
 1595 **ICE PLANT (Mesembryanthemum Crystallinum.)**
 ⊙ 6 in. Foliage very ornamental, being covered with ice-like globules, and prized for garnishing; a valuable plant for dry sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders.. ¼ oz. 15c 05

Impatiens (Zanzibar Balsam) ⊙ 1½ ft.

One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

- 1600 **Holstii.** Of rapid and vigorous growth, and producing large flowers of a brilliant salmon-scarlet. 15
 1602 **Holstii Hybrids.** They range in color from pink through the red shades to purplish violet. 15
 1610 **IONOPSIDIUM Acaule (Violet Cress)** ⊙ 3 in. A lovely miniature rapid-growing and early-flowering plant, forming dense tufts of foliage smothered in tiny pale lilac flowers. ½ oz. 30c 10

Ipomoea (Moonvine) ⊙ \$ 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

- 1615 **Bona Nox (Evening Glory).** Violet flowers... 1 oz. 25c 05
 1617 **Coccinea (Star Ipomoea).** Small scarlet flowers in great profusion..... ½ oz. 20c 05
 1619 **Mexicana Grandiflora Alba (White Moon Flower)**
 Covered with large white flowers every evening and cloudy day. Seeds should be started inside... ½ oz. 25c 10

IPOMOEAE—Continued

- 1620 **Mexicana Grandiflora, Giant Pink.** Soft lilac pink flowers..... ½ oz. 30c 1
 1622 **Imperialis (Japanese Morning Glory) Fine Mixed**
 The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb. \$1.00; ¼ lb. 35c; 2 oz. 25c; 1 oz. 15c; ½ oz. 10c.... 1
 1625 **Vaughan's Special Mixture, Japanese Morning Glories.** The colors run from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb. \$1.00; 1 oz. 30c; ½ oz. 20c..... 1
 1627 **Learii.** Satiny blue with crimson bars. A good greenhouse climber..... 1
 1630 **Rochester.** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. ½ oz. 30c 1
 1632 **Rubro-Coerulea (Heavenly Blue).** Deep azure blue flowers delicately shading to white towards the center.. 1
 1633 **Early Flowering Rubra Coerulea.** Sky blue..... 1
 1634 **Sanguinea.** Flowers brilliant blood crimson..... 1
 1635 **Setosa (Brazilian Morning Glory).** The thick stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about nine inches across; flowers about two inches in diameter, of delicate texture, tinted pink with a five pointed star of satiny pink and are followed by curious seed pods..... ½ oz. 25c 1

For other Morning Glories, see *Convolvulus*.

JOB'S TEARS. See *Coix Lachrymae*.

KUDZU VINE. See *Pueraria*.

- 1640 **KOCHIA Tricophylla (Summer Cypress, Burning Bush.)** ⊙ 2½ ft. This beautiful annual bush has rapidly come into prominence. It grows 2 to 2½ feet high and resembles a close clipped ornamental evergreen. The globe-shaped or pyramidal bushes are close and compact, and of a pleasing light green color. The plant may be grown singly or in the form of a hedge or background. In early Autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc. Flowers small and numerous but not conspicuous. The beauty of the plant is in its shape and color..... ½ oz., 15c 1
 1645 **LANTANA Hybrida. Mixed** ⊙ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. They have an agreeable aromatic perfume..... 1
 1646 **Dwarf Hybrids. Mixed**..... 1



MARIGOLD—Double Tall African

Lavatera ⊙ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

- 1654 **Splendens Alba.** Very large silky pure white flowers. 10 Pkt.
- 1655 **Splendens Rosea.** Very large bright rose flowers. 10
- 1656 **Trimestris.** Light rose, with silvery streaking. 10
- 1657 **LAYIA Elegans (Tidy Tips).** ⊙ 1 ft. Very beautiful flowers, yellow bordered white, with golden center, profusely produced, for beds and borders, remaining long in beauty. Sow in spring to flower in early summer, and in autumn to bloom in spring. 10
- 1658 **Elegans Semi-Pleno.** 15
- 1665 **LINUM Grandiflorum Rubrum (Crimson Flax)** ⊙ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose, very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. 1 oz. 25c 05

Lobelia Erinus Compacta ⊙

This charming class forms compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. They flower the first season from seed.

- 1675 **Bedding Queen.** Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye. 10
- 1676 **Crystal Palace Compacta.** Deepest blue, dark foliage. 10
- 1677 **Emperor William.** Clear sky blue with green foliage. 10
- 1681 **Pumila Rosea.** Dwarf pink. 10

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 1682 **Hamburgia.** Large flowering dark blue. 10
- 1683 **Speciosa.** True, dark blue, dark foliage. 10
- 1684 **Sapphire.** Large, deep blue flowers with a pure white eye which occupies one-third of the corolla. 15
- 1685 **Mixed, all colors.** 1/8 oz. 15c 05

LOVE-IN-THE-MIST. See Nigella.

Lupinus ⊙ 2 ft.

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

- 1700 **Hartwegii, White.** Pure white flowers. 1/2 oz. 25c 10
- 1701 **Hartwegii, Blue.** The flowers of a delicate mist-like blue. 1/2 oz. 25c 10
- 1702 **Hartwegii Roseus.** Rose colored flowers. 10
- 1703 **Hybridus Atro-coccineus.** Large spikes of scarlet white-tipped flowers. 10
- 1705 **Tall Annual Varieties Mixed.** 1 oz. 20c 05
- 1706 **Dwarf Annual Varieties Mixed.** 1 ft. 10

(See also Perennials).

MALOPE (Mallow-wort). 2 ft. Showy plants for Pkt. large mixed flower and shrubby borders. The flowers are large and handsome.

- 1707 **Grandiflora Alba.** Large white flowers. 1/2 oz. 20c 05
- 1708 **Rosea.** Flowers large, bluish, shaded pink towards center. 1/2 oz. 20c 05

Marigold (Tagetes) ⊙

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class. They are most effective in ribbon borders and as edgings to beds of tall flowers, such as Salpiglossis and Zinnias.

Double Tall African Varieties 5 ft

- 1722 **Eldorado.** Extremely large and imbricated double flowers in yellow shades. 1/4 oz. 20c 10
- 1723 **Lemon Queen.** 1/4 oz. 20c 10
- 1724 **Orange Queen.** 1/4 oz. 20c 10
- 1725 **Tall African Mixed.** Large double flowers. 1/2 oz. 20c 05
- 1726 **Tall French Mixed.** Large bushes covered with a multitude of small double flowers. 1/2 oz. 20c 05

- 1727 **Vaughan's Special Mixture Tall Marigolds.** This mixture includes several varieties which we do not catalog but purchase especially for this mixture. A packet will give you flowers of enormous size in a wonderful assortment of color in shades of yellow, cream, orange, rusty brown, old gold, etc. 1/4 oz. 20c 10



Double Dwarf African

- 1728 **Mixed (Pride of the Garden)** 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes. 1/2 oz. 20c 05

Dwarf French Double Sorts 10 in.

- 1731 **Gold Striped.** Velvety maroon, striped gold. 1/4 oz., 20c 10
- 1732 **Dwarf French Double Mixed.** Low bushes covered with small flowers. 1 oz. 35c; 1/2 oz. 20c 05

- 1735 **Vaughan's Special Mixture of Dwarf Marigolds, Double and Single varieties.** These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. This mixture is made up of separate colors especially purchased for it. 1/4 oz. 20c 10



Single Dwarf Varieties

- 1736 **Gilt Edge.** Velvet maroon, edged with yellow. 10
- 1737 **Golden Star.** Flowers have golden yellow petals with purple red streaks radiating from the center. 10
- 1746 **Legion of Honor.** Flowers rich golden yellow, marked with velvety brown, best for edging. 1/2 oz. 20c 05
- 1747 **Silver King.** Light sulphur-yellow with brown spots. 10

POT MARIGOLD. See Calendula.

MARVEL OF PERU. See Mirabilis.



MIGNONETTE—Vaughan's Giant Machtet

- 1749 **MATRICARIA Capensis Alba Plenissima.** ☉ 3 ft. Pkt.
Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as biennials or annuals. 10
- 1750 **Eximea, Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers 10
- 1751 **MATTHIOLA Bicornis (Evening-scented Stock.)**
☉ 15 in. The flowers in the morning, evening, and after a shower emit a delicious perfume perceptible at a considerable distance. Lb. \$2.00; 1 oz. 20c 05
- 1752 **MAURANDIA Mixed** ☉ § 10 ft. Slender grower and abundant bloomer very desirable for greenhouse and garden. Elegant Gloxinia-like flowers which range through white, rose, blue and purple in color. 10
- 1754 **MELOTHRIA Punctata** ☉ § 10 ft. (Pylogyne Suavis). Blooms in clusters, flowers small, white and star shape, with a strong musk fragrance, leaves green, small and glossy. May be cut down to 6 inches after summer's growth and potted and taken inside. Gooseberry shaped fruit. 10
- Mignonette (Reseda)** ☉ 6 to 12 in.
No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.
- 1755 **Bismarck.** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. ½ oz. 20c 10
- 1756 **Gabriele.** Very sweet; spikes very thick; one of the best for out of doors. ¼ oz. 20c 05
- 1757 **Golden Queen.** Yellow. 05
- 1758 **Goliath.** Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter. ½ oz. 20c 10
- 1760 **Grandiflora.** Large flowered. ¼ lb. 50c; 1 oz. 20c 05
- 1761 **Giant White Spiral.** Flowers silvery-white and sweet scented. ¼ oz. 15c 05
- 1762 **Machtet.** It is the best Mignonette for all purposes either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ¼ oz. 25c 10
- 1764 **New York Market.** This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower. 250 seeds 25

MIGNONETTE—Continued.

- 1766 **Pyramidal Large-Flowering.** Tall-growing variety Pkt. splendid for cutting. ¼ oz. 15c 05
- 1767 **White Pearl** 10
- 1770 **Mixed.** Many shades and types. . . 1 oz. 25c; ½ oz. 15c 05
- 1772 **MIMOSA Pudica (Sensitive Plant)** ☉ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken. 05
- 1773 **MIMULUS Moschatus (Musk Plant)** ☉ Musk-scented leaves, tiny yellow flowers. 15
- 1774 **Tigrinus (Monkey Flower).** ☉ 10 in. **Queen's Prize Single Mixed.** Dwarf bushy plants, with large gloxinia-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. 10
- 1775 **Tigrinus Fl. Pl. (Double Monkey Flower)** mixed. . . 10
- 1778 **MINA Lobata** ☉ § 12 ft. A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded. 10
- MONKEY FLOWER.** See Mimulus.
- MORNING GLORY.** See Convolvulus and Ipomoea.
- MOURNING BRIDE.** See Scabiosa.

Mirabilis ☉ 2 ft.

(Marvel of Peru or Four O'Clocks)

This is another good old-fashioned flower of bushy habit bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect.

- 1780 **Mixed, all sorts and colors** ¼ lb. 40c; 1 oz. 15c 05
- 1782 **Variegated Leaved Mixed** 1 oz. 15c 05
- 1784 **Dwarf Mixed.** 12 in. 1 oz. 20c 05
- 1785 **Sweet-Scented (Longiflora Alba).** White. 1 oz. 30c 05
- 1786 **MUSA Ensete (Abyssinian Banana).** △ 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds germinate easily if started in hot-bed or bottom heat in greenhouse. 10 seeds 20
- MUSK PLANT.** See Mimulus.

Myosotis—Forget-Me-Not ☉ ½ to 1 ft.

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Responds to good treatment and flourishes in shady, moist, situations. The national flower of Belgium.

- 1787 **Alpestris Blue.** Trailing habit. ½ oz. 15c 05
- 1788 **Alba.** White. ½ oz. 15c 05
- 1789 **Rosea.** Pink. ½ oz. 15c 05
- 1790 **Eliza Fonrobert.** Flowers large, sky blue, with clearly defined white eye. ½ oz. 20c 05
- 1791 **Victoria.** The flowers are large bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. 10
- 1792 **Mixed** ½ oz. 15c 05
- 1793 **Ruth Fisher.** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage. 25
- 1794 **Star of Love.** Distinct variety with large, beautiful blue flowers. 25
- 1795 **Vaughan's Early and Late Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky blue with a delicate white center. Plants may be in bloom at any time of the year.  10
- NASTURTIUM.** See pages 81-82.

Nemophila (Grove Flower) ☉ 6 in.

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out of doors in spring, in patches, where they are to flower.

- 1915 **Holborn Bluebell.** Ultramarine blue, white throat; makes an effective border. 10
- 1916 **Insignis Blue.** A popular plant for pots or borders. 1 oz., 40c.; ¼ oz. 15c 05
- 1919 **Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. ½ oz. 15c 05

DWARF NASTURTIUMS

They are suitable for bedding and edging, grow quickly and furnish the greatest abundance of long lasting, sweet-scented cut flowers. Sometimes it is desirable, when carrying out a color scheme to use but one variety of Dwarf Nasturtium for an edging. Empress of India is particularly good when used in this way as the dark leaved plants are of an even height and the flowers are in rich velvety red.

Green and Dark Leaved Varieties

- 2305 **Aurora.** Chrome yellow blotched crimson.
- 2306 **Beauty.** Scarlet splashed canary.
- 2307 **Bronze.** Burnt bronze color, dark leaved.
- 2308 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
- 2309 **Crystal Palace Gem.** Sulphur spotted maroon.
- 2310 **David Burpee.** Velvety purple-scarlet flowers; foliage wavy emerald green.
- 2311 **Empress of India.** Very dark leaves, crimson flowers.
- 2312 **Golden King.** Pure golden yellow.
- 2313 **King of Tom Thumbs.** Intense deep scarlet dark foliage.
- 2314 **King Theodore.** Velvety red flowers, dark foliage.
- 2315 **Laciniatum Mixed.** The flowers are deeply lacinated and appear in many attractive colors.
- 2316 **Lady Bird.** Orange, striped bright scarlet.
- 2317 **Othello.** Dark leaved and dark purple lacinated flowers.
- 2318 **Pearl.** Creamy white.
- 2319 **Prince Henry.** Yellow marbled with scarlet.
- 2320 **Regelianum.** Rich crimson.
- 2321 **Ruby King.** Ruby red, dark leaved.
- 2322 **Scarlet.** Dark scarlet.
- 2323 **Vesuvius.** Salmon, dark leaved.
- 2324 **Yellow.**



Fancy and Variegated Leaved Varieties—Continued

- 2327 **Queen of Tom Thumbs, Crimson.** Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage and is strikingly handsome and useful for bedding or pot culture. Pkt.
- 2328 **Queen of Tom Thumbs, Mixed.**
- 2329 **Spencer Mixed.** The curly foliage is very unique and the flowers appear in many bright colors.
- Each of above..... ¼ lb. 65c; oz. 20c 05
- 2330 **Dwarf Mixed.** 1 lb. \$1.10; ¼ lb. 30c; 1 oz. 10c 05
- 2336 **COLLECTION No. 1 OF DWARF NASTURTIUMS, 10 VARIETIES.** Our choice..... 1 pkt. of each 35c
- 2337 **COLLECTION No. 2 OF DWARF NASTURTIUMS 8 VARIETIES.** Our choice..... 1 oz. of each \$1.00

Fancy and Variegated Leaved Varieties

- 2325 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.
- 2326 **Ivy Leaved Mixed.** Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat. Pkt.
- Each of above..... ¼ lb. 50c; oz. 15c 05

ONE OUNCE

of Nasturtium will plant a bed 20 feet in diameter and will make a better display for three months than almost any other plant.

2335 VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS. Dwarf Nasturtiums are most admirably adapted to beds and borders. Vaughan's Special Mixture of Dwarf Nasturtiums will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers..... 1 lb. \$1.80; ¼ lb. 50c; 1 oz. 15c; pkt., 10c



The Nasturtium seed pods when green may be used in making pickles.

Nicotiana (Sweet Scented Tobacco Plant.) ☉ 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom but with a longer tube. The flowers open toward evening and emit a powerful perfume.

- 1920 **Affinis.** Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter..... 05
- 1925 **Affinis Hybrida.** Splendid hybrids in blue, red and rose, etc., shades..... ½ oz. 15c 05
- 1926 **Sanderae.** A lovely hybrid tobacco of elegant branching habit, and bearing on light graceful stems great quantities of very beautiful rosy carmine flowers; a valuable border plant, from summer to autumn..... ½ oz. 15c 05
- 1928 **Sanderae Hybrids.** All shades..... ½ oz. 15c 05
- 1930 **Sylvestris.** 4 ft. A noble-looking plant of pyramidal habit, with long tubular pure white flowers borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening..... ¼ oz. 15c 05

- 1932 **NIGELLA Mixed. (Love-in-the-Mist) ☉ 1½ ft.** A compact, free flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed..... 1 oz. 15c 05
- 1934 **Miss Jekyll.** A lovely variety, bearing on long stems large deep blue flowers. Very effective if planted with Escholtzias..... ½ oz. 25c 10
- 1936 **NOLANA Mixed ☉** Pretty trailing plant, useful for edging or rock work..... ¼ oz. 10c 05
- 1937 **NYCTERINIA Capensis ☉ 9 in.** Charming little plants for pots, edgings, and rock work. White with maroon, delightfully fragrant, flowers opening at night. ⅓ oz. 25c 10
- 1950 **OENOTHERA (Evening Primrose). Mixed ☉ ½ to 2 ft.** Neat plants, with large, saucer shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume..... ¼ oz. 15c 05
- 1951 **Mexicana Rosea.** Bright rose..... 10
- 1955 **OXALIS Rosea Mixed ☉** An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose, delicate pink and white... 10

YARDS

What are you going to do with your backyard this summer? Let it remain a forbidding, desolate looking place? Or, by investing a few cents and a little effort, raise flowers which will brighten it up and make it healthful, as well as beautiful?

TALL NASTURTIUMS

© 8 to 10 ft.

Few plants are so useful or rich in color as the Nasturtiums. They surpass the Geranium and Calceolaria in brilliancy of color and profusion of bloom; they should be given a dry poor soil, as on a rich or manured ground they are inclined to run to leaf. Where such is the case lime rubbish should be mixed with the soil. The sorts we enumerate are the most decorative and beautiful of all.

Lobb's Nasturtiums 6 ft.

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb higher and bloom brilliantly.

- 2356 **Black Prince.** Velvety black flowers, dark foliage.
 - 2358 **Blushing Beauty.** Ivy leaved. Flowers soft yellow, spotted with terra cotta.
 - 2359 **Cardinal.** Scarlet flowers, dark foliage.
 - 2360 **Emma Alida.** Dark ivy-leaved foliage, with golden yellow, orange and deep scarlet lacinated flowers.
 - 2361 **Firefly.** Foliage rich and dark, flowers rosy salmon underlaid with bright golden yellow.
 - 2362 **Flamingo.** Magnificent lacinated orange flowers.
 - 2363 **Giant of Battles.** Sulphur with red.
 - 2364 **King of the Blacks.** Black-red, dark leaves.
 - 2365 **Mourning Bride.** The leaves are dark and ivy-shaped. The flowers are a velvety dark crimson.
 - 2366 **Napoleon III.** Golden yellow spotted with brown.
 - 2367 **Princess Juliana.** Dark ivy-leaved foliage, with deeply cut flowers of orange yellow, spotted red brown.
 - 2367a **Princess Victoria Louise.** Flowers cream-white with orange scarlet blotches, the calyx and spur being of a pure orange-red.
 - 2368 **Queen Alexandra.** Variegated leaves, flowers blood red, marbled and mottled.
 - 2369 **Queen Emma.** Variegated leaves, deep scarlet flowers.
 - 2370 **Queen of the Morning.** Variegated leaves, flowers aurora colored.
 - 2371 **Virchow (Rose Queen).** The best pink.
- Price, each of the above.....oz. 15c; pkt. 5c Pkt.
- 2372 **LOBB'S MIXED.** The strongest growing, attaining the greatest height.....1 lb. \$1.10; ¼ lb. 35c; 1 oz. 10c 05
 - 2373 **TALL MIXED, all sorts**.....1 lb. \$1.10; ¼ lb. 35c; 1 oz. 10c 05
 - 2374 **COLLECTION No. 3 TALL NASTURTIUMS, TEN VARIETIES.** Our choice (ten packets) .1 pkt. of each, 35c
 - 2375 **COLLECTION No. 4 TALL NASTURTIUMS, EIGHT VARIETIES.** Our choice (eight ounces) .1 oz. of each, 50c



Green and Dark-Leaved Varieties


- 2338 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
- 2339 **Dunnett's Orange (Sunlight).** Bright orange flowers.
- 2340 **Fordhook Otto.** Brownish lilac.
- 2341 **Fordhook Fashion.** Terra cotta on yellow ground, dark leaved.
- 2341A **General Jacqueminot.** Rich crimson.
- 2342 **Heinemanni.** Chocolate color, odd.
- 2343 **Hemisphericum.** Orange.
- 2344 **Jupiter.** Large, rich golden yellow flowers.
- 2345 **King Theodore.** Rich deep crimson flowers; dark leaves.
- 2346 **Pearl (Moonlight).** Creamy white.

- 2347 **Prince Henry.** Light yellow, marbled scarlet.
- 2348 **Shillingi.** Bright yellow with maroon blotches.
- 2349 **Scheurmani.** Straw color, spotted.
- 2350 **Scheurmani Coccineum.** Scarlet-striped.
- 2351 **Twilight.** Bright yellow, marbled salmon rose.
- 2352 **Vesuvius.** Salmon rose, dark leaved.
- 2353 **Von Moltke.** Bluish rose.

Fancy and Variegated-Leaved Varieties

- 2354 **Golden Cloth.** Scarlet flowers with yellow foliage. See Lobb's Nasturtiums.
- 2355 **Variegated-Leaved Varieties Mixed.**

Price, each of the above. .pkt. 5c; oz. 15c

<p>Special Offer 2385 1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.</p>	<p>2380 VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS. We call Pkt. especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties, the Canary Bird Creeper and the new variegated-leaved varieties. 1 lb. \$1.70; ¼ lb. 45c; 1 oz. 15c.</p> <div style="text-align: center;">  </div>	<p>Special Offer 2390 1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.</p>
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- 2592 **PASSIFLORA Coerulea Grandiflora (Passion Flower)** Pkt.
 - ⊆ \$ 15 ft. **Southern Beauty.** A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit..... 10
- 2593 **Gracilis.** Blue and white..... 10
- 2595 **PENNISSETUM Longistylum** © 2½ ft. An Abyssinian Pkt.
grass with long feathery bearded bristles.....½ oz. 30c 10
- 2596 **Ruppelianum.** The spikes are longer and more graceful. Used to border canna beds.....¼ oz. 20c 10
- 2597 **PERILLA Nankinensis** © 1½ ft. Valuable foliage plant resembling Coleus, dark mulberry-colored leaves..... 05



A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for when ordering.

There is no better mixture of Pansies than "Vaughan's International."

Vaughan's Pansies

2500	Adonis. Light blue with white center.....	Pkt. 15	2519	Pink. Fine shades of pink, same as Hydrangea..	1/8 oz. 50c	Pkt. 15
2501	Auricula Colors. Metallic shades.....	15	2520	President Carnot. Fine blotched white.....		15
2502	Beaconsfield. Upper petals light lavender, lower ones a deep rich purple.....	1/8 oz. 50c	2521	President McKinley. Fine blotched yellow.....		15
2503	Boulogne Giant Mixture. The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. 100 seeds...	35	2522	Pheasant's Eye		15
2504	Bridesmaid. Rosy white, dark blotches.....	1/8 oz. 75c	2523	Purple. Very large, rich deep purple.....		15
2505	Bugnot. Shades of red, bronze and reddish cardinal..	20	2524	Prince Bismarck. Light brown colors.....		15
2506	Cassiers 3 and 5 Blotched Mixed. Mostly light shades with dark blotches.....	1/8 oz. 60c	2525	Pretiosa. Each petal has a large blotch of deep violet on crimson background, with white edge.....		15
2507	Coal Black. A jet black of truly giant size.....	15	2526	Rosy Morn. A bright purplish crimson margined with a clear white edge.....		15
2508	Emperor William. Dark navy blue.....	1/8 oz. 50c	2526a	Ruby Red.		15
2509	Mad. Perret. Lovely shades of pink and rose. 1/8 oz. 50c	15	2527	Striped. Mahogany, striped and flaked white.....		15
2510	Marechal Niel. Delicate pleasing, cream color.....	15	2528	Trimardeau. Mixed.....	1/8 oz. 40c	10
2511	Masterpiece (New Giant Curled or Spencer Pansies) The petals are crimped and curled so the flowers appear double.....	1/8 oz. 70c	2529	Violet Blue. A very pleasing shade.....	1/8 oz. 40c	15
2512	Orchid Flowered, Andromeda. Delicate apple-blossom	20	2530	Pure White. Pure white without blotches.....	1/8 oz. 50c	15
2513	Almond Blossom. Delicate rose.....	20	2531	White, With Eye. Very large.....	1/8 oz. 45c	15
2514	Daybreak	20	2532	Pure Yellow. Golden yellow without blotches.....	1/8 oz. 50c	15
2515	Mammoth. An odd combination of light greenish yellow ground, with deep purple blotches.....	20	2533	Yellow, With Eye. Immense flowers.....	1/8 oz. 45c	15
2516	Sunlight. Bright yellow, brown spots.....	20	2534	Chicago Parks Bedding Mixed. Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts.....	1/4 oz. 60c; 1/8 oz. 40c	10
2517	Orchid Flowered Mixed Rare light shades, large frilled flowers, very attractive.....	15				
2518	Paris Market. An improved strain of Trimardeau, with better flowers and more compact habit.....	1/8 oz. 40c				

Victory

GIANT PANSIES

Collection 1 packet each Ruby Red, Pure White, Violet Blue. Prepaid for 35 cents.

2535 Red, White and Blue, Mixed.....Pkt., 20c

2540	Vaughan's Giant Mixture. Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. 1/8 oz., \$1.00; 1 pkt. 250 seeds, 25c; 125 seeds.	Pkt. 15
2545	Vaughan's International Mixture. This is, and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented there are also all the possible variations of each one of these. 3 pkts. (600 seeds), 65c; 5 pkts. (1000 seeds), \$1.00; 1/8 oz., \$1.75; 200 seeds.	25

VIOLA Cornuta (Tufted Pansies). 3-6 in.

Flowers all summer from seed sown in early spring, and are valuable for edging beds and borders. Require protection during winter.

2546	Alba. Large white flowers.....	10	2553	Papilio. Flowers soft lavender-purple, lower petals flushed white.....	15
2547	Admiration. Rich violet blue flowers.....	10	2554	Vaughan's Improved Scotch Pansies. This new strain produces flowers with 'faces,' the colors range from pale lavender to deep rich purple, many charming intermediate shades.....	25
2548	Blue Perfection. Pale blue flowers.....	10	2555	Cornuta Mixed.	10
2549	Lutea Splendens. Bright yellow.....	10			
2550	Rose Queen. Flowers mostly a soft rose-lilac.....	10			
2551	Thuringia. Dark blue flowers with white eye.....	15			
2552	Mauve Queen. Mauve.....	10			



PETUNIA
Vaughan's
Special
Single Mixed

Petunia ☉

For freedom of bloom, variety of color and effectiveness these have no equals. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Double Large Flowering Varieties

- 2600 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollinized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. 200 seeds 30
- 2600a **Lady of the Lake.** Double white fringed . . . 125 seeds 25
- 2601 **Double Small Flowering Inimitable.** Double small flowering blotched and striped 300 seeds 25
- 2602 **Double Small Flowering Rosa Bonheur.** Dainty flowers of a beautiful clear rose. Extremely double. 300 seeds 25



Large Single Flowering Varieties

- 2603 **Balcony Queen.** Rich, velvety violet with white blotches 150 seeds 25
- 2604 **Brilliant Rose.** 150 seeds 25
- 2605 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. 200 seeds 15

PETUNIAS

Large Single Flowering Varieties—Continued

- 2607 **Large Flowering White.** Flowers are large, pure white. 100 seeds 15
- 2608 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors 250 seeds 35
- 2609 **Royal Purple.** 150 seeds 25
- 2611 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color. 200 seeds 15
- 2612 **Vaughan's Best Mixture Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as **Vaughan's Best** 300 seeds 25



Single Small Flowering Varieties 1 1/2 ft.

- 2613 **Alba.** Pure white. 1/4 oz. 30c 05
- 2614 **Carmine Rose.** 05
- 2615 **Carmen Sylva.** Baby blue with white throat. 10
- 2618 **Countess of Ellesmere.** Rose with white throat. 05
- 2619 **General Dodds.** Regular red. 1/8 oz. 20c 05
- 2620 **Howard's Star.** Regular white star-like stripes on old rose background. 1/8 oz. 40c 10
- 2621 **Inimitable.** Blotched and striped 1/4 oz. 30c 05
- 2622 **Violacea.** Violet blue. 10
- 2623 **Venosa.** Light red veined. 05
- 2624 **Good Mixed.** 1 oz. 80c; 1/4 oz. 25c 05
- 2625 **Finest Mixed.** 1/8 oz. 25c 10

Single Dwarf Varieties

- Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.
- 2632 **Improved Rosy Morn.** The plants are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds. 300 seeds 25
- 2633 **Rosy Morn, Ordinary Strain.** 10
- 2634 **Inimitable.** Regular white stars on deep old rose ground. Very effective in masses. 1/2 oz. 30c 10
- 2635 **Norma.** The flowers are of a pleasing violet blue with a clear white star in the center 15
- 2636 **Snowball.** Pure white. 1/8 oz. 40c 10
- 2637 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the above and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. 1/8 oz., 40c 10
- 2655 **PHACELIA Tanacetifolia** ☉ 1 1/2 ft. Large compact heads of blue flowers. Valuable for bees. oz. 20c 05



If you have never grown Petunias, try them this year. You will like them. For freedom of bloom and variety of color they have few equals.



PHLOX DRUMMONDI—Vaughan's Special Mixture

Phlox Drummondii

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory.

Grandiflora Varieties ☉ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

- | | | | |
|-------|--|---|----------------|
| 2660 | Alba. | Pure white. | |
| 2661 | Alba Oculata. | With white eye. | |
| 2662 | Atro-purpurea. | Black brown. | |
| 2663 | Brilliant. | Rose with dark eye. | |
| 2664 | Carnea. | Flesh color. | |
| 2665 | Chamois rose with white eye. | | |
| 2666 | Coccinea. | Fiery scarlet. | |
| 2668 | Coerulea Striata. | Blue striped. | |
| 2668a | Cream with red eye. | | |
| 2669 | Crown Prince. | The flowers are large, salmony scarlet. | |
| 2670 | Isabellina. | Yellow. | |
| 2671 | Kermesina Splendens. | Vivid crimson. | |
| 2673 | Orbicularis Atro-rosea. | Dark rose with eye. | |
| 2674 | Orbicularis Purpurea. | Purple, with white eye. | |
| 2675 | Orbicularis Violacea. | Violet, with white eye. | |
| 2676 | Rosea. | Pink. | |
| 2678 | Rosea Aurea Stellata. | Gold Star. | |
| 2681 | Violet. | | |
| | All the above..... | 1/8 oz., 25c; 200 seeds | Pkt. 10 |
| 2685 | Splendid Mixture..... | 1 oz. \$1.00; 1/4 oz. 30c; 250 seeds | 10 |
| 2690 | Drummondii Mixed. | Good Mixture. oz. 85c; 1/4 oz. 25c | 05 |
| 2695 | Cuspidata Mixed (Star of Quedlinburg.) | Mixture of star-shaped flowers..... | 1/8 oz. 20c 10 |
| 2727 | Semi-Double Varieties Mixed..... | | 10 |

Nana Compacta Dwarf. 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

- | | | | | |
|------|---------------------------------------|-----------------|-------------|----|
| 2735 | Fireball. | Blood red..... | 1/8 oz. 35c | 10 |
| 2740 | Snowball. | Pure white..... | 1/8 oz. 35c | 10 |
| 2741 | Isabellina. | Yellow..... | 1/8 oz. 35c | 10 |
| 2745 | Nana Compacta, Mixed, all colors..... | | 1/8 oz. 30c | 10 |

2760 **Vaughan's Special Mixture Phlox.** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz. \$1.60; 1/4 oz. 50c; 1/8 oz. 30c.....250 seeds 15



Victory Collection

Phlox

One Pkt. each, Red, White and Violet, Postpaid for **25c**

Portulaca (Rose Moss) ☉ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear.

Large Flowering Single

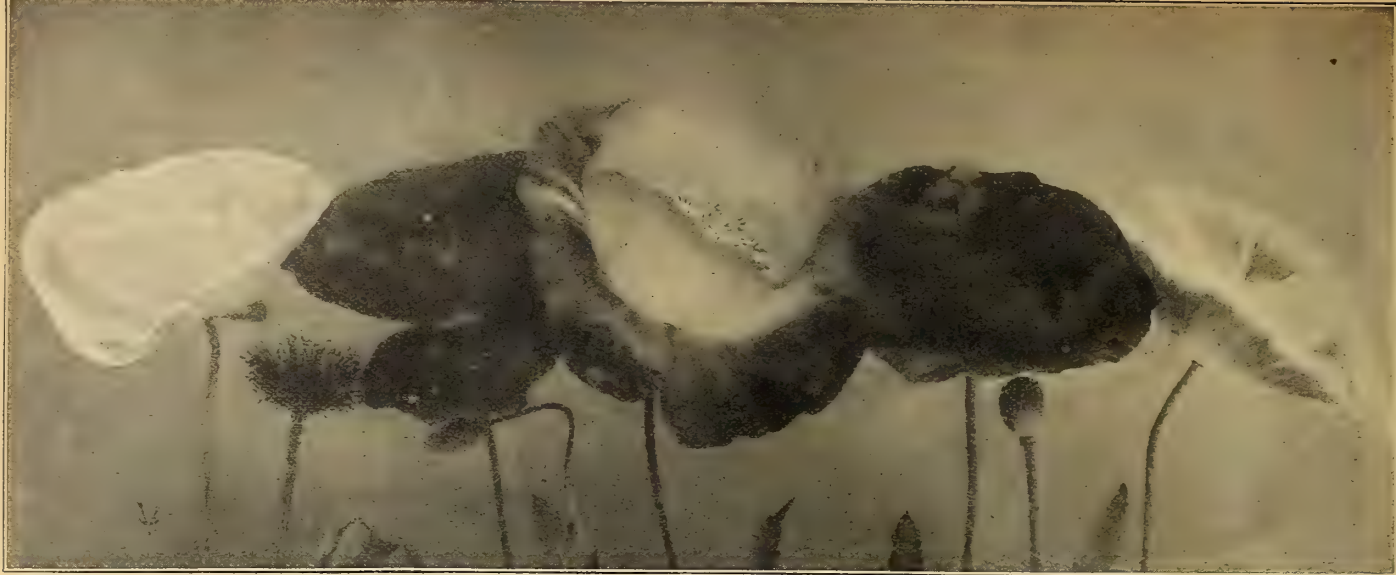
- | | | | | | | |
|------|------------------------|---|---------|------|---------|----------------|
| 2842 | White | 2845 | Pink | 2848 | Scarlet | |
| 2844 | Yellow | 2846 | Striped | | | Pkt. |
| | Each of the above..... | | | | | 1/4 oz. 25c 05 |
| 2849 | Parana. | Extremely large reddish purple flowers. | | | | |
|  | ..... |  |  |  |  | 1/4 oz. 20c 10 |
| 2850 | Single Mixed..... | 1 oz. 70c; 1/4 oz. 20c | | | | 05 |

Large Flowering Double

- | | | | | | | |
|------|--------------------------|-------------|---------|------|------|----|
| 2854 | White | 2855 | Yellow | 2856 | Pink | |
| | | 2858 | Scarlet | | | |
| | Each of the above..... | | | | | 10 |
| 2860 | Double Good Mixture..... | 1/8 oz. 30c | | | | 05 |
| 2865 | Double Best Mixture..... | 1/8 oz. 50c | | | | 10 |



PORTULACA—Single



POPPY—Vaughan's Special Double and Single Mixed

Vaughan's Poppies

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will

remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

Single Annual Poppies

- 2780 **Admiral.** Glistening white, with a broad band of brilliant scarlet around the edges. ¼ oz. 25c 10
- 2782 **Bride.** Very large pure white, perfectly formed flowers California Poppy. See Escholtzia. 05
- 2783 **Danebrog or Danish Flag.** Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross ¼ oz. 15c. 05
- 2784 **Hansa.** The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson ¼ oz. 15c. 05
- 2785 **King Edward.** Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. 05
- 2786 **Mephisto.** Scarlet with black spots. 05
- 2787 **Persian (Laevigatum or Firedragon).** Dark scarlet, black spots. 05
- 2788 **Tulip (Glaucum).** Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. 05
- 2789 **Umbrosum.** Rich vermilion flowers with a shining black spot on each petal. ¼ oz. 15c 05
- 2790 **Shirley, Silk or Ghost.** The beautiful satiny flowers ranging in color from delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson, all with white centers. oz. 25c; lb. \$2.60 05
- 2791 **Miss Sherwood.** Flowers shining, satiny white, the half of the corolla being a silky chamois rose. 05
- 2792 **Single Mixed.** oz. 15c; lb. \$1.25 05
- 2795 **Vaughan's Special Mixture, Single Poppies.** This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice ¼ lb. 70c; 2 oz. 40c; 1 oz. 25c. ½ oz. 15c. 10

Double Annual Poppies

- 2800 **American Flag.** Flowers very large, snow white, scarlet bordered. ½ oz. 20c 05
- 2801 **Fairy Blush.** The flowers have the effect of large feathery balls, overcast with a rosy shade. ¼ oz. 15c 05
- 2802 **Giant Double Pure White.** ½ oz. 20c 10
- 2803 **Giant Double Yellow.** ½ oz. 20c 10
- 2804 **Giant Double Pink.** ½ oz. 20c 10
- 2805 **Giant Double Cardinal Red.** ½ oz. 20c 10
- 2807 **Giant Double Lilac.** ½ oz. 20c 10
- 2807a **Giant Double Salmon.** 10
- 2807b **Giant Double Heliotrope.** 10
- 2807c **Giant Double Plum Violet.** 10
- 2808 **Golden Gate.** Semi-double and double flowers in great variety of colors. 10
- 2809 **Mikado.** Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum. ½ oz. 15c 05
- 2810 **Scarlet King.** ½ oz. 20c 05
- 2811 **White Swan.** Fringed double white. ½ oz. 15c 05
- 2811a **Double Shirley.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. 10
- 2812 **Carnation-Flowered Mixture of Double Poppies.** Large sized flowers of all shades, many striped 1 oz. 20c 05
- 2813 **Peony-Flowered Mixture.** Double ball-shaped flowers of gigantic size. 1 oz. 20c 05
- 2814 **Rhoeas Fl. Pl. Double French Mixture.** Double form of the Shirley type. 1 oz. 20c 05
- 2815 **Double Mixed.** Many kinds and colors. ½ oz. 15c 05
- 2828 **Vaughan's Special Mixture, Double Poppies.** This includes all the above sorts, and will produce charming flowers in an endless variety of colors. ¼ lb. 85c; 1 oz. 30c. ½ oz. 20c 10

For
Iceland Poppies
see
Perennial pages

2796 **Vaughan's Special Mixture Double and Single Poppies.** Comprises not only Pkt. all the double and single Poppies described but also a number of other sorts especially purchased for this mixture, including some entirely new ones. 1 oz. 30c; ½ oz. 20c 10

For
Oriental Poppies
see
Perennial pages



SALPIGLOSSIS—Vaughan's Special Mixture. Pkt

2775 POINCIANA Gilliesi (Bird of Paradise). The blossoms are of a rich golden yellow, about 2 1/4 inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. \$0 10

Primula Chinensis 8 in.

This is one of the most charming winter flowering house plants, and one that is entirely free from insect pests. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

- 2866 **Covent Garden White.** The blooms are beautifully fringed, petals solid and erect.
- 2867 **Orange King.** The beautiful orange color in the bud, and the orange-salmon shade around the edge of terracotta petals are most pleasing.
- 2868 **True Blue.** The best blue Primula.
- 2869 **Giant Pink.** Extremely large petals, of great substance. Vigorous, erect habit.
- 2870 **Chiswick Red.** Improved strain. Very fine red.
- 2871 **Queen Alexandra.** Giant white.
- 2872 **Ruby Queen.** Fiery scarlet, with bright yellow eye.
- 2873 **Giant Salmon.** Massive heads of flowers of great substance.
- 2874 **Queen Mary.** Rose pink.
- 2875 **King George.** Beautifully fringed, crimson flowers. Each of the above pkt. 60 seeds 25c.

2888 **Good Mixture of Single Varieties.** French grown... 10
 2890 **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 100 seeds 25



PRIMULA—Continued

Various Sorts

- 2892 **Malacoides** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. \$0 25
- 2893 **Malacoides Alba.** White. 25
- 2894 **Forbesi (Baby Primrose)** 2 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. 15

Primula Obconica

This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

- 2896 **Appleblossom.** 200 seeds 25
- 2897 **White.** 200 seeds 25
- 2898 **Pink.** 200 seeds 25
- 2905 **Obconica Grandiflora Mixed.** Good mixture. 200 seeds 15

Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1 1/4 to 1 1/2 inches in diameter, and are borne in clusters up to four inches across.

- 2906 **Gigantea Rosea.** A beautiful clear rose. 200 seeds 25
- 2909 **Gigantea Mixed.** 200 seeds 25
- 2910 **PYRETHRUM Parthenifolium Aureum. (Golden Feather)** 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. 10
- 2911 **Selaginoides.** Fern-leaved. 10
- 2925 **RHODANTHE Mixed** 1 ft. Very beautiful, delicate looking everlasting. 1/4 oz. 20c 05
- 2926 **Manglesi Rose.** Bright rose flowers, very graceful, makes a pretty pot plant. 10
- 2927 **Maculata Alba.** White. 10
- 2928 **Maculata Rosea.** Rose. 10

Ricinus (Castor Bean) 0

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

- 2930 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. 1 oz. 15c 05
- 2932 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of the darkest bronze maroon; stalk and stem nearly black. 1 oz. 15c 05
- 2934 **Panormitanus.** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered, very ornamental. 1 oz. 25c 10
- 2935 **Sanguineus.** 6 ft. Green leaved, red stems and seeds. 1 oz. 10c 05
- 2936 **Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2 1/2 to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. 1 oz. 15c 05
- 2937 **Zanzibar Enormis.** 1 oz. 20c 05
- 2938 **Mixed.** Many sorts. Lb. 60c. 1 oz. 10c 05
- 2940 **ROSE Polyantha Nana.** 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing. 10
- 2942 **RUDBECKIA Bicolor Superba (Coneflower)** 2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. 10

Salpiglossis 2 1/2 ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a Petunia but rivaling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

- 2944 **Bright Crimson.** 2950 **Scarlet and Gold.**
 - 2946 **Faust.** Black. 2951 **Velvety Violet.**
 - 2949 **Pink.** 2952 **Golden Yellow.**
- Each of the above per pkt. 15c.
- 2953 **Gloxiniaeflora Mixed** 2 1/2 ft. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. 15
 - 2954 **Mixed.** Good quality. 1/4 oz. 20c 05
 - 2955 **Emperor Mixed.** Large improved strain, complete range of colors. 1/2 oz. 20c 10
 - 2960 **Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable 1/2 oz. 35c. 15



SCABIOSA—Double Large Flowering



SCHIZANTHUS—Wisetonensis



A SINGLE SPRAY OF SALVIA—Ostrich Plume

Salvia Splendens (Scarlet Sage) ⊙

The Salvia Splendens is a standard bedding plant that keeps the garden Pkt. bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

- 2963 **Ostrich Plume.** 2 ft. Flowers bright scarlet, and instead of each stem having but one flower spike they produce a cluster not unlike a Celosia. It is quite distinct and comes true from seed. (See illustration) 25
- 2964 **Fireball.** 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. 15
- 2965 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. 1/8 oz. 40c 10
- 2966 **Drooping Spikes.** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens. 1/8 oz. 40c 10
- 2967 **Maroon Prince** ⊙. 2 ft. Particularly rich and royal color. A purple violet with a velvety sheen. Should not be grown near the red Salvias, but is effective in beds or borders by itself. As a cut flower it may be bunched with the Centaurea Americana. The deep violet of the Salvia bringing out the lavender of the Centaurea. 15
- 2968 **Zurich.** Early. The plants are dwarf and compact with large brilliant flower spikes. 1/8 oz. 45c 15
- 2969 **Splendens.** 2½ ft. The original Scarlet Sage. 1/4 oz. 50c 10
- 2970 **Mixed.** The above sorts and others. 1/8 oz. 35c 10
- 2972 **Coccinea** 2 ft. Annual scarlet sage. 1/4 oz. 20c 05
- 2973 **Farinacea** 3 ft. Tall spikes of silvery lavender blooms form a dense mass of foliage. 1/8 oz. 25c 10
- 2974 **Patens** ⊂ 2 ft. Ultramarine blue, beautiful flowers. 20
- 3000 **SANVITALIA Procumbens Fl. Pl.** ⊙ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant. 1/4 oz. 30c 10

Scabiosa (Mourning Bride) 2½ ft. ⊙

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole of the summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

Large Flowering Double

- 3010 **Snowball.** 3016 **Azure Fairy.**
 - 3012 **Golden Yellow.** 3017 **Cherry Red.**
 - 3014 **Flesh.** 3018 **Black Prince.**
 - 3015 **Fiery Scarlet.** 3019 **Rose.**
- Each of above per pkt. 10c.
- 3020 **Mixed.** The above and many others. 1/2 oz. 20c. . . Pkt 05

Scabiosa—Continued

- 3025 **Vaughan's Special Mixture.** Many new colors have been purchased for this, our latest special mixture and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. 1/4 oz. 25c 10
- 3030 **SCHIZANTHUS Hybridus Grandiflorus** ⊙ 1 ft. (**The Poor Man's Orchid.**) Neat pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. 10
- 3032 **Wisetonensis** 1½ ft. A charming annual with graceful fern-like foliage and a profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. A really beautiful subject for the flower border from seed raised in February, and for winter decoration in greenhouse from seed raised in May and June. 25
- 3033 **Mixed, all colors.** 1/4 oz. 15c 05
- 3034 **SEDUM Coeruleum** ⊙ 4 in. Pale azure-blue, a pretty dwarf annual, charming in pots and on rockwork. 10
- SENSITIVE PLANT.** See Mimosa.
- 3036 **SHAMROCK.** 3 in. True stock. 10
- 3037 **SILENE Armeria Mixed** ⊙ 1½ ft. (**Catchfly.**) A very showy early-flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. 05
- 3038 **Pendula Alba.** 1 ft. Splendid for spring bedding. 05
- 3039 **Rosea.** 05
- 3040 **SMILAX** ⊃ § 6 ft. Makes a fine pot or basket plant. Elegant for table decoration when cut. 05
- SNAPDRAGON.** See Antirrhinum.
- 3042 **SOLANUM Capsicastrum Nanum** ⊂ 2 ft. (**Jerusalem Cherry.**) Easily grown plants with ornamental fruit. Especially fine for pots. 10
- 3043 **Melvini.** The fruits cling firmly to the plant. 10
- 3044 **Christmas Pepper.** 1 ft. Pot plant grown for the ornamental, bright colored fruit. 10
- 3045 **STATICE, Russian** ⊙ 1 ft. Flowers bright rose color; valuable for winter bouquets. 25
- 3046 **Bonduelli.** Producing numerous heads of bright yellow flowers, valuable for drying, very attractive. 10
- 3047 **Sinuata Blue.** Forming pretty rosettes of foliage from which rise branching flower stems 2½ ft. high, light to dark lavender flowers. 10
- 3048 **Sinuata Rosea.** 10
- 3049 **Sinuata White.** 10



3050 **STEVIA Serrata** ⊙ ↘ 2 ft. Free-blooming plants, Pkt. bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. 10

SUNFLOWER. See Helianthus.

3136 **SWAINSONIA Grandiflora Alba** ↘ 3 ft. Loaded from tip to base with graceful sprays of large, pure white, waxy, sweet pea-like flowers; acacia-like foliage. 10

STOCKS—Large Flowering ⊙ (Levkojen)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

- | | | |
|------------------------|---------------------|----|
| 3050 White | 3052 Canary Yellow | |
| 3053 Flesh | 3054 Brilliant Rose | |
| 3055 Crimson | 3056 Light Blue | |
| 3058 Dark Blue | | |
| Each of the above..... | | 10 |
| 3060 Fine Mixed..... | 1/8 oz. 20c | 05 |
| 3070 Best Mixed..... | 1/8 oz. 35c | 10 |

Giant Perfection "Cut and Come Again" 1 1/2 ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

- | | | |
|----------------------------------|-----------------|----|
| 3075 White | 3080 Scarlet | |
| 3076 Canary Yellow | 3082 Light Blue | |
| 3078 Pink | 3084 Dark Blue | |
| Each of the above..... | | 10 |
| 3085 Giant Perfection Mixed..... | 1/8 oz. 40c | 10 |

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size.

- | | | |
|---|--------------------------|----|
| 3090 White | 3095 Empress Augusta | |
| 3091 Monte Carlo. Yellow | Victoria. Silvery lilac. | |
| 3092 Azure Blue | 3096 Pink | |
| 3093 Queen Alexandra. | 3097 Crimson | |
| Delicate rosy lilac. | | |
| 3094 Abundance. | 3098 Old Rose Improved | |
| Brilliant lilac rose. | 3099 Dark Violet | |
| Each of above..... | | 10 |
| 3100 Mad. J. Paquet. Large flowers of a rich golden yellow. | | 15 |
| 3101 President Woodrow Wilson. Violet slate colored, new. | | 20 |
| 3102 Beauty of Nice Mixed..... | | 10 |

Victory Collection

Vaughan's Stocks

One 10 cent Pkt. each

Red, White and Blue of any variety, prepaid for 25c

Bismarck 2 1/2 ft.

Pkt.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

- | | | |
|-----------------------|------------|----------------------|
| 3105 White... Pkt. 15 | 3106 Lilac | 3108 Gold Ball... 15 |
|-----------------------|------------|----------------------|

Emperor or Winter 2 ft.

These are useful in planting in California out doors.

- | | |
|---|----|
| 3109 Large Flowering White Lady. White..... | 15 |
| 3110 Empress Elizabeth. Brilliant carmine rose..... | 15 |
| 3111 Winter Stocks Mixed..... | 15 |
| 3131 Vaughan's Special Mixture of Stocks. | |

Contains all the above and many others not catalogued..... 15



3132 **STREPTOCARPUS Largest Hybrids** ↗ 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging in color from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer..... 25

3512 **THUNBERGIA Alata, Mixed (Black Eyed Susan)** ⊙ § 5 ft. Beautiful trailing plants for hanging baskets and lawn vases as well as fences and verandas. 1/4 oz. 25c 10

3515 **TORENIA Fournieri Grandiflora** ⊙ ↗ 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue. They are excellent for beds, pots or hanging baskets.. 10

3516 **Bailloni.** Flowers yellow with purple throat..... 15

3517 **White Wings.** Flowers white with rose throat..... 10

VERBENA See next page.



STOCK Giant Perfection

Vinca Rose (Periwinkle) ↗ 1 ft.

Ornamental free blooming plants, with dark laurel-like foliage and hand- Pkt. some pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Seed germinates slowly.

- | | | |
|--------------------------|--------------------------|----|
| 3580 White..... | 3582 White with Eye..... | |
| 3581 Delicata. Soft pink | 3584 Pink..... | |
| Each of the above..... | | 10 |
| 3585 Rosea Mixed..... | 1/4 oz. 25c | 10 |

3611 **VISCARIA Mixed** ⊙ 1 ft. Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting..... 05

3612 **VIRGINIA STOCK Mixed** ⊙ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect.

Wallflower (Goldlack) ↘ 1 1/2 ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered in cold frames.

- | | | |
|------------------------------------|-------------|----|
| 3615 Single Mixed..... | 1/4 oz. 15c | 05 |
| 3616 Single Annual Blood Red..... | | 10 |
| 3618 Single Annual Golden Gem..... | | 10 |
| 3620 Double Mixed..... | | 15 |
| 3622 Single Annual Mixed..... | | 10 |

3623 **WHITLAVIA Gloxinoides Blue** ⊙ 1 ft. Flowers deep lavender-blue with white throat resembling small Gloxinias..... 05



Sweet Peas

Large Flowering and Unwin

	¼ Lb.	Oz.	Pkt.
3401 Black Knight. Dark maroon.....	\$0 30	\$0 10	\$0 05
3402 Blanche Ferry. Pink and white.....	30	10	05
3403 Captain of the Blues. Purplish mauve.	35	10	05
3404 Dainty. White with pink picotee edge.	25	10	05
3405 Dorothy Eckford. One of the best whites	25	10	05
3406 Frank Dolby. Finest pale blue.....	40	15	05
3407 Flora Norton. A very bright blue.....	30	10	05
3408 Gladys Unwin. Pale rosy pink.....	35	10	05
3410 Henry Eckford. Orange.....	35	10	05
3411 Hon. Mrs. E. Kenyon. Yellow.....	30	10	05
3412 King Edward VII. Fine scarlet.....	35	10	05
3413 Lady Grisel Hamilton. Lavender.....	30	10	05
3414 Lord Nelson. Richer than Navy Blue.	30	10	05
3415 Mrs. George Higginson, Jr. Blue.....	30	10	05
3416 Navy Blue. Deep violet blue.....	30	10	05
3417 Nora Unwin. Giant white.....	30	10	05
3418 Prima Donna. Soft pink.....	30	10	05
3419 St. George. Orange salmon.....	40	15	05

Mixed Sweet Peas In Separate Shades.

For such as prefer to grow the various colors separate we have arranged the following mixtures out of the finest named sorts.

- 3423 **Pink Shades.** Light to deep pink.
 - 3424 **Red Shades.** Bright rose to dark scarlet.
 - 3425 **Lavender and Blue Shades.** Pale lavender to mauve.
 - 3426 **Purple and Maroon Shades.** All the dark colors.
 - 3427 **White and Primrose Shades.** All the delicate tints.
 - 3428 **Striped Sorts.** Various combinations.
- Each of the above, ¼ lb. 40c; oz. 15c.
- 3429 **Collection, one oz., each of the six separate shades 50c.**

Sweet Peas In Mixture

- 3430 **Eckford's Mixture.** Contains some of each of the Pkt. entire list of varieties and cannot fail to give satisfaction.....lb. 85c; ¼ lb. 25c; oz. 10c 05
- 3450 **Sweet Peas, Vaughan's Prize Mixture.** The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continual joy. 1 lb. \$1.20; ¼ lb. 35c; oz. 15c 10



Verbena

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lillies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost.

A carefully selected and improved strain of Verbenas. The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

- 3542 **White.** Dense heads of finely shaped white flowers... \$0 10
- 3544 **Mayflower.** Various shades of pink..... 10
- 3545 **Striped, White on Red Ground.**..... 10
- 3546 **Aurora Borealis.** Fiery red..... 15
- 3547 **Firefly.** Intense red..... ½ oz., 35c 10
- 3548 **Commandant Marchand.** Dark purple..... 15
- 3549 **Purple.** Dark purple..... 10
- 3550 **Mammoth Mixed.** Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple..... ¼ oz. 40c 10
- 3551 **Hybrida Gigantea.** A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive..... ½ oz., 35c 15
- 3555 **Vaughan's Best Mixture.** It includes the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white-eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz. \$3.00; ½ oz. 50c; large packet 25c; 125 seeds..... 15
- 3556 **Dwarf Mixed.** 6 in. Good for edging, making an even carpet of blossoms and leaves..... 15



VERBENA—Vaughan's Best Mixed

Victory

Verbena

Collection One Pkt. each, Firefly, Mammoth
White and Dark Blue with White Eye, for 20c.

Verbena Hybrida—Continued ☉ 9 in. Pkt.

25	Defiance. A real intense scarlet.....	10
26	Dark Blue with White Eye. Very showy.....	10
27	Lutea. Yellow.....	10
29	Striped. Mostly light colors with red and blue stripes..	10
35	Good Mixed......1 oz. 80c; 1/8 oz. 15c.	05
57	Citriodora (Lemon Scented Verbena) 3 ft. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens.....	10
58	Erinoides. Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue.....	10
59	Erinoides Alba. Of the same character as above, but with white flower heads, very pretty.....	10
61	Venosa 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers.....	10

ZINNIAS

These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding purposes, and are remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets.

Elegans Fl. Pl. Double Flowered ☉ 2 1/2 ft.

01	Alba. White	3708	Old Rose	
02	Appleblossom ; pkt., 10c	3709	Scarlet	
03	Burnt Orange ; pkt., 10c	3710	Jacqueminot. Bloodred;	
04	Isabellina. A beautiful cream yellow; pkt., 10c		pkt., 10c	
05	Golden Yellow	3711	Violet	
06	Flesh Color	3712	Zebra Striped ; pkt., 10c	
07	Rose	3713	Lilac	Pkt.
	Each of above, except where noted.....			1/4 oz. 25c 05
14	Double Good Mixed.			1 oz. 40c; 1/2 oz. 25c 05

New Giant Flowered or Colossal 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

15	White	3720	Scarlet	Pkt.
16	Golden Yellow	3721	Violet	
17	Sulphur Yellow	3722	Purple	
18	Flesh Color	3723	Pink Shades	
19	Orange	3724	Cream	
	Each of the above.....			1/4 oz. 30c. 10
	Special offer (B) Zinnias, any 6 pkts. of above for....			40
	Special offer (C) Zinnias, any 10 pkts. for.....			75
24a	Savoja. Extremely large, double globular flowers, whose single petals are turned upward and form little channels: The color is a singular mixture of yellow and red; the external petals begin with a nice dark red, melting gradually to the centre in golden-yellow. This may be best described as salmon-orange.....			10
25	Vaughan's Colossal Zinnias, Mixed. The flowers are gigantic in size and deep and velvety in appearance, exhibiting all the new and interesting colors. 1/4 oz. 30c.....			10



Wild Cucumber (Echinocystis Lobata)

60 This is the quickest growing climber on our list. Grows wild self-sown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. 1/4 lb. 75c; 1 oz. 25c; 1/2 oz. 15c..... 05

65 **XERANTHEMUM Double Mixed** ☉ 2 ft. Bright and pretty 'Everlasting' with silvery foliage and silky flowers in pink, white and purple..... 1/4 oz. 30c 10



VAUGHAN'S GIANT "COLOSSAL" ZINNIAS

Zinnia—Continued

3726 **Double Crested and Curled.** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias..... 1/4 oz. 25c 10

Liliput Double 12-in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

3728	Scarlet Gem	10	3731	Liliput Mixed, all colors. 1/4 oz. 25c..	10
3729	White Gem	10			
3730	Golden Gem	10			

Pumila Double 18-inch

Extra double flowers, produced on regular dwarf plants.

3732	Snow Ball	10	3735	Fire Ball	10
3733	Golden Ball	10	3736	Pumila Mixed, all colors. 1/4 oz. 20c..	10
3734	Pink Ball	10			

3745 **Red Riding Hood** 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective..... 1/4 oz. 35c 10

3750 **Mexicana Hybrida** 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty..... 1/4 oz. 50c 15

3755 **Mexicana Hybrida Fl. Pl.** 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation..... 1/4 oz. 25c 10

3770 **ZEA Japonica Quadricolor Perfecta** ☉ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped in yellow, green, rose and dark red..... 05

3775 **WILD FLOWER GARDEN.** A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, or roadside planting, etc. 1 lb. 85c; 1/4 lb. 25c; 1 oz. 10c..... 05

Vaughan's Perennia



ACHILLEA, Perry's White



ACONITUM (Monkshood)



AQUILEGIA (Columbine)

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 20c

- 5000 **ACANTHUS Latifolius.** Aug. 3 ft. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants... Pkt. 1
- 5001 — **Mollis.** Flower spikes 4 ft. high of white and lilac flowers. Oz., 25c... Pkt. 10
- ACHILLEA.** (Yarrow, Milfoil). Free flowering plants of easy culture for the mixed border; most of the varieties are very suitable for cutting.
- **Eupatorium, Parker's Variety.** June-Aug. 1½ ft. pale yellow flowers. each 20c
- **Millefolium Roseum.** 2 ft. June-July. Bright rose-pink Plants, each 20c; doz., \$2.00
- **Ptarmica fl. pl. Boule de Neige.** 2 ft. June to Aug. Double, white, Plants, each 20c
- **Perry's White.** 2 ft., June to Aug. Flowers fully double and pure white, very fr and continuous blooming; the best of all. Plants, each 20c; doz., \$2.00.
- 5003 — **The Pearl.** 2 ft. June to Aug. Pure white, fine for cutting. Plants, each 20c; doz., \$2.00; 100, \$12.00... Pkt. 1
- ACONITUM (Monkshood).** Roots are poisonous, with bold spikes of hood-shaped flowers valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere.
- 5004 — **Fischeri.** 2 ft. Sept. Large porcelain blue flowers... Pkt. 1
- **Napellus.** 2½ ft. Aug. Fine rich blue flowers. Plants, each 25c; doz., \$2.50.
- **Bicolor.** 5 ft. Aug. Blue and white, fine for cutting. Plants, each, 25c; doz., \$2.50
- **Spark's Variety.** 5 ft. Aug. Violet blue. Plants, each 25c. doz., \$2.50.
- 5006 — **Wilsoni.** Deep blue flowers, on large trusses... Pkt. 1
- 5008 **ADLUMIA Cirrhosa (Allegheny Vine).** 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant... Pkt. 10
- 5010 **AGATHEA Coelestis (Blue Daisy).** ½ oz., 25c... Pkt. 1
- 5011 **AGROSTEMMA Coronaria Varieties Mixed.** June-Sept. 1 to 2 ft... Pkt. 1
- 5012 — **Flos Jovis.** 1 ft. Beautiful pink flowers. ½ oz. 15c... Pkt. 1
- AJUGA (Bugleweed.)—Reptans Atropurpurea.** 6 in., May. A very useful dwarf plant with brilliant blue flowers, fine rock and border plant. Plants, each 20c; doz., \$2.00
- ALYSSUM (Madwort).**
- 5013 — **Saxatile Compactum (Basket of Gold).** 1 ft. May-June. Greatly prized for its masses of golden yellow flowers. Plants, each 20c; doz., \$2.00. Pkt. 10c
- 5015 **AMPELOPSIS Veitchii (Boston Ivy).** Small leaved, self-clinging, Virginia Creeper. ½ oz. 25c. (For plants see climbing vines)... Pkt. 1
- 5016 **ANCHUSA Italica, Dropmore Variety.** 5 ft. June-July. An improvement on the old variety, larger blue flowers, and plant of better habit. Plants, each 20c; doz., \$2.00. ½ oz., 30c... Pkt. 1
- **Opal.** June-July. (New.) 3-4 ft. Large pale blue flowers. Fine color and lasting. Plants, each 25c; doz., \$2.50.
- ANEMONE (Wind Flower).** Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.
- **Canadensis.** 1 ft. June. Masses of starry white blossoms. Plants, each 20c; doz., \$2.00
- 5019 — **Coronaria (Poppy Anemone) Mixed Colors.** June. 10 in. ¼ oz. 30c... Pkt. 1
- 5020 — **St. Brigid's Strain.** May-June. Double and Single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. ½ oz., 30c... Pkt. 1
- 5021 — **Pulsatilla.** 10 in. Blooms in May. Flowers violet or purple. ½ oz., 50c... Pkt. 1
- 5022 — **Sylvestris (Snow Anemone).** 1½ ft. May to June. One of the most satisfactory for the border; flowers cup-shaped, pure white. ½ oz., 40c... Pkt. 1
- **Japonica Varieties (Japanese Anemones.)** These rank amongst the showiest and most useful of late Summer and Autumn flowering hardy border plants. For cutting all are of inestimable value, as they flower at a season when hardy flowers are in demand and getting scarce.
- **Honorine Joubert.** Pure white. 2 ft. Plants, each 25c; doz., \$2.50.
- **Japonica Rubra.** Beautiful rosy-red, each 25c; doz., \$2.50.
- **Queen Charlotte.** Double, delicate pink. 2½ ft. Plants, each 25c; doz., \$2.50.
- **Whirlwind.** Double white. 3 ft. Plants, each 25c; doz., \$2.50.
- ANTHEMIS Kelwayi. (Hardy Marguerite).** 2 ft. A most satisfactory plant, bearing all summer, daisy-like yellow blossoms. Planted as a border or in masses, excellent for cutting. Plants, each 20c; doz., \$2.00; 100, \$12.00.
- 5026 — **Tinctoria.** Plants, 20c; doz., \$2.00; 100, \$12.00. ½ oz., 25c... Pkt. 1
- AQUILEGIA (Columbine).** Columbines are among the most beautiful hardy perennials producing graceful spurred flowers stems 2 feet or more above the beautiful, dark green, divided foliage. Our Long-Spurred Mixed selected from the very finest kinds, free of habit and of great value.
- 5027 — **Canadensis (Turk's Cap)** Handsome scarlet and orange flowers. Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz., 25c... Pkt. 1
- 5028 — **Chrysantha** 3 ft. Yellow, long spurred. Plants, each 20c; doz., \$2.00... Pkt. 1
- 5029 — **Chrysantha Fl. Pl.** 3 ft. Double golden yellow flowers. ½ oz., 40c... Pkt. 1
- 5030 — **Chrysantha Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs. Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz., 40c... Pkt. 1
- 5031 — **Coerulea (Rocky Mountain Columbine).** 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz. 30c... Pkt. 1
- 5032 — **Coerulea Hybrida, (Haylodgensis).** 2½ ft. Long spurred hybrids. Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz. 40c... Pkt. 1
- 5033 — **Coerulea Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz. 50c... Pkt. 1
- 5036 — **Long Spurred Columbines. Mixed.** An improved strain of Columbines, bearing flowers of many rich and varied colors with broad petals and long spurs. Colors are distinct shades of white, salmon, lavender, yellow, mauve, pink, etc. Extra fine. Plants, each 25c; doz., \$2.50. ½ oz., 40c... Pkt. 1

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names

Flower Seeds and Plants

AQUILEGIA—Continued

- 037 —Nivea Grandiflora. 15 in. Large pure white. Plants, 20c; doz., \$2.00.... Pkt. 10c
- 038 —Scarlet and Pink Shades. Very showy and beautiful. Pkt. 25c
- 039 —Skinneri (Mexican Columbine). Large scarlet and yellow flowers. Pkt. 15c
- 041 —Vervaeana Atriviolacea Plenissima. Double violet. Pkt. 15c
- 042 —Vulgaris Alba Plena. 2 ft. Double white flowers. Pkt. 10c
- 043 —Single Mixed. Many varieties, ¼ oz. 25c. Pkt. 10c
- 044 —Double Mixed. ¼ oz. 25c. Pkt. 10c



VAUGHAN'S SPECIAL MIXTURE includes all the above mentioned varieties and many new colors not found in any named collection. Plants, each 25c; doz., \$2.50; 100, \$15.00. ½ oz., 60c..... Pkt. 25c

ARABIS (Rock-Cress).

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings.

- 048 —Alpina, 6 in. Pure white. Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz. 25c; Pkt. 10c
- Flore Pleno, large masses of double pure white flowers. Plants, 25c.

- 051 ARISTOLOCHIA Siphon (Dutchman's Pipe). 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers of various colors. Requires protection in winter. Plants, 2 yr. each 35c; 3 yr. each 50c. ¼ oz., 30c.... Pkt. 10c

ARMERIA (Thrift, Sea Pink or Cliff Rose).

Grand plants for crevices of walls and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June-July.

- 052 —Formosa. 9 in. Pretty rose pink. Grand for borders. ¼ oz., 20c. Pkt. 10c
- Lauchiana. 6 in. Crimson flowers, deep green tufty foliage. Plants, each 20c; doz., \$2.00. Per 100, \$12.00.

- 054 —Maritima. 3 in. Silvery pink flowers. ½ oz., 30c. Pkt. 15c

ARTEMISIA—Abrotanum (Old Man.) Plants, each 20c; doz., \$2.00.

—Lactiflora. 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. Plants, each 25c; doz., \$2.50; 100, \$15.00.

- 056 ASCLEPIAS Tuberosa (Butterfly Weed). 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers. Plants, each 20c; doz., \$2.00. Pkt. 10c

ASTER.

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. To cut for vases church decoration, etc., they provide an inexhaustible supply.

- 064 —Large Flowering Mixed. Various shades of blue. Fine. ¼ oz. 40c. Pkt. 25c
- 066 —Novae Angliae. 3 ft. Sept.-Oct. Deep purplish blue. Plants, each 20c; doz., \$2.00; 100, \$12.00.

—Mrs. J. F. Raynor. (New.) 5 ft. Oct. Vivid crimson flowers, very erect and profuse bloomer. Plants, each 35c; doz., \$3.50.

—Novae Belgiae, Climax. 4 to 5 ft. (New.) This in our opinion, is the best Michaelmas Daisy introduced in many years. Forms branching plants covered in fall with delightful lavender blue flowers from one to two inches in diameter. Plants, each 25c; doz., \$2.50; 100, \$15.00.

—St. Egin. 3½ ft. Aug. Medium size, fine clear rose-pink. Each 20c; doz. \$2.00.

—Wells' White. 3 ft. Large incurved flowers. Plants, 25c; doz. \$2.50; 100, \$15.00.

- 071 BAPTISIA Australis (False Indigo). 2 ft. Beautiful racemes of pea-shaped light blue flowers appearing in midsummer. ¼ oz. 40c. Pkt. 10c

BELLIS PERENNIS (Double Daisy). 6 to 8 in. April-June.

A charming old favorite, for edging beds, borders or rock work.

—Mammoth White. Plants, each 10c; doz. \$1.00; 100, \$6.00.

—Mammoth Pink. Plants, each 10c; doz. \$1.00; 100, \$6.00.

—Mammoth Mixed. Plants, each 10c; doz. \$1.00; 100, \$6.00.

BLEEDING HEART. See Dielytra

- 084 BOCCONIA Cordata (Plume Poppy). 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under-surface, and flower plumes of a pretty cream color. Plants, each 20c.; doz., \$2.00. ½ oz., 40c. Pkt. 10c

- 085 BOLTONIA Asteroides (False Chamomile.) 6 ft. White. Large daisy-like flowers, valuable for cutting. Plants, each 20c; doz., \$2.00; 100, \$12.00.... Pkt. 15c
- Latisquama. Delicate pink. Plants, each 20c; doz. \$2.00; 100, \$12.00.

BUDDLEYA Variabilis Veitchiana (Butterfly Bush). 3 ft. Aug.-Oct. A new and beautiful shrub-like plant, producing pendulous branches terminating in long spikes of beautiful lilac-mauve flowers. Requires same protection as roses in winter. Planted with Aster "Climax" (above) the effect of the combination will delight those who try it. Large Plants. Each 25c; doz. \$2.50.

CAMPANULA (Bell Flower).

Bell shaped flowers, well known; equally useful for flower border, shrubbery or wild garden.

- 090 —Carpatia (Harebell.) 9 in. July. Pretty blue, dwarf Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz., 30c. Pkt. 10c

- 091 —Alba. 9 in. July. Pure white. Plants, each 20c; doz., \$2.00; 100, \$12.00; Pkt. 10c

- 092 —Calycanthera (Cup and Saucer). 2 ft. June to Aug. Mixed Colors. Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz. 30c. Pkt. 10c

- 093 —Calycanthera White, (5094) Pink, (5095) Blue. Each ½ oz., 40c. Pkt. 10c
- 102 —Latifolia (Macrantha). 3 ft. Erect stems, large bells, violet blue. Pkt. 15c

- Medium (Canterbury Bell). 2 ft. 5104 Single White. ½ oz., 25c. Pkt. 10c
- 105 —Single Blue. ½ oz., 25c. 5106 Single Pink. ½ oz., 25c. Pkt. 10c
- Blue, Pink or White. Separate colors. Plants, each 20c; doz., \$2.00; 100, \$12.00



ARTEMISIA LACTIFLORA



ASTER 'Climax'



BUDDLEYA (Butterfly Bush)

Order Seeds by numbers; Use Separate Order Sheet for Plants

Vaughan's Perennial

CAMPANULA—Continued.

- 5108 —Single Mixed. *Plants, each 20c; doz., \$2.00; 100, \$12.00.* 1/8 oz. 25c. Pkt. 10
- 5109 —Double Mixed. 1/8 oz. 30c. Pkt. 10
- 5111 —Pescifolia (Peach Bells). Blue. 2 ft. *Each 20c; doz., \$2.00.* Pkt. 14
- 5112 —Alba. White. *Each 20c; doz., \$2.00.* Pkt. 13
- 5112A —Moerheimi. Large white semi-double flowers. Pkt. 24
- 5113 —Mixed. Blue and White. Pkt. 10
- 5114 —Pyramidalis (Chimney Bellflower). Blue. 5-6 ft. *Plants, each 25c; doz. \$2.50. 100, \$15.00.* 1/8 oz., 35c. Pkt. 14
- 5115 —Pyramidalis Alba, White. 1/8 oz., 35c. Pkt. 14
- Trachelium Coeruleum (Nettle-leaved Campanula). 2 ft. Blue. *Plants, 20c; doz., \$2.00.*



5117 **Vaughan's Special Mixture.** A grand assortment of all varieties. Fine for cut flowers. Pkt. 2
CANDYTUFT See Iberis. **CANTERBURY BELL** See Campanula Medium
CARNATION (Hardy).

- 5120 —Grenadin. Fine scarlet. Perfectly hardy. *Plants, 25c; doz., \$2.50.* Pkt. 10
- 5121 —Grenadin White. Splendid cut flowers. *Plants, each, 25c.; doz., \$2.50.* Pkt. 24
- 5122 —Vienna Dwarf Mixed. 1/8 oz., 30c. Pkt. 10
- 5124 —Double Mixed, Extra Choice. 1/8 oz., 50c. Pkt. 14

5125 **CASSIA Marylandica** (American Senna). 2 1/2 ft. A hardy plant with yellow pea-shaped blossoms. *Plants, each 20c; doz., \$2.00.* 1/4 oz., 20c. Pkt. 10

CENTAUREA (Hardheads, Knapeed.)

- July-August. Good plants for the flower border or wild garden, with thistle-like flowers.
- 5133 —Montana Blue. 1 1/2 ft. Beautiful blue hardy Cornflower. 1/8 oz., 25c. Pkt. 10
- 5137 **CERASTIUM Tomentosum** (Snow in Summer). 4 in. Silvery white foliage, covered with snow white flowers in early summer. 1/8 oz., 45c. Pkt. 14
- 5138 **CHEIRANTHUS Allioni.** 1 ft. Fine rock or border plant with orange flowers. Pkt. 10
- CHELONE Barbatus Torreyi.** 3 ft. July, Aug. Long coral red spikes like a pentstemon. *Plants, each 20c; doz., \$2.00; 100, \$12.00.*

- 5140 —Hybrida Mixed. 1/8 oz., 25c. Pkt. 10
- 5141 —Lyoni. 2 ft. Freely covered with rosy purple flowers. Pkt. 14

5142 **CHIVES.** Used for seasoning. *Plants, each 15c; doz., \$1.50.* Pkt. 10

5143 **CHRYSANTHEMUM Maximum** (Moonpenny Daisy). 2-3 ft. Hardy white daisy, excellent for cutting. 1/4 oz. 20c. Pkt. 10

5144 —King Edward VII. 2 1/2 ft. Very large white flowers on stout stems. *Plants, each 20c; doz., \$2.00; 100, \$12.00.* 1/4 oz., 25c. Pkt. 10

5145 —Market Favorite. Produces an enormous number of well formed, pure white flowers, evenly distributed and flowering at one time. Pkt. 14

5146 —Mrs. C. Lothian Bell. The largest of the maximum hybrids. *Plants, each 20c; doz., \$2.00; 100, \$12.00.* Pkt. 14

5147 —Single Early Flowering Hybrids. Blooms from seed first year if sown early. Pkt. 14

5148 —Leucanthemum (Spring Marguerite) Early flowering white. Pkt. 14

CIMICIFUGA (Snake Root). Aug.-Oct.

- Valuable for late flowering, beginning in September and continuing throughout October.
- Dahurica. 4 ft. Feathery spikes, much branched. *Plants, 25c; doz., \$2.50.*
- Racemosa. 4 ft. Large fern like foliage, white drooping spikes. *Plants, 25c; doz., \$2.50.*
- 5149 —Simplex, Symmetrical, tall white spikes. Pkt. 10

CLEMATIS (Herbaceous). Summer flowering.

—Davidiana. Aug.-Sept. Tubular bell-shaped flowers, deep blue. *Plants, 20c; doz., \$2.00.*

5152 —Paniculata (Climbing.) 15 ft. Fall-flowering vine with white flowers. 1/4 oz., 30c. For plants see Climbing Vines. Pkt. 10

5153 —Jackmanii, Large Flowering Mixed. Blue, white and purple. 1/4 oz., 75c. Pkt. 15

COREOPSIS (Tickseed).

June to Oct. Hardy plants that bloom throughout the summer.

5154 —Lanceolata. 2 ft. Large orange-yellow flowers, much prized for cutting, *Plants, each 15c; doz., \$1.50; 100, \$10.00.* 1/4 oz. 20c. Pkt. 10

—Grandiflora Eldorado. Large flowers, brilliant orange yellow. *Each, 15c; doz., \$1.50.*

—Rosea. 12 in. Beautiful pale rose. *Plants, each 20c; doz., \$2.00.*

5156 **CRUCIANELLA Stylosa.** 6 in. Dwarf rampant carpeting plant. Bright crimson. 1/8 oz., 15c. Pkt. 10

5157 **DAISY, Shasta Alaska** 2 ft. Wonderful show of large white flowers. Fine for cutting. *Plants, each 20c; doz., \$2.00; 100, \$12.00.* 1/8 oz. 35c. Pkt. 10

DELPHINIUM (Hardy Larkspur)

There are many species in cultivation but the most important are the tall hybrids of which we hold large and up-to-date assortment including the very newest.

(Species). Flowering from June to August.

5161 —Chinense (Blue). 2 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. *Plants, each 15c; doz., \$1.50; 100, \$10.00.* 1/8 oz. 20c. Pkt. 10

5162 —Album. 2 ft. Pure white. *Each 15c, doz., \$1.50; 100, \$10.00.* 1/8 oz. 20c. Pkt. 10

5162a —Chinese Mixed. Pkt. 10

5163 —Elatum Hybridum, Single Mixed. 3 ft. 1/4 oz. 35c. Pkt. 10

5164 —Double Mixed. 3 ft. 1/4 oz. 50c. Pkt. 15

5165 —Formosum. 3 ft. Deep blue, white eye, open spike. *Plants, each 20c; doz., \$2.00; 100, \$12.00.* 1/4 oz. 45c. Pkt. 10

(Named Hybrids). Flowering June to August. (See Gold Medal Hybrids below).

—Amos Perry. 4 ft. Outer petals blue, semi-double centre mauve. *Plants, 50c; doz., \$5.00.*

5171 —Belladonna (Light Blue). 2 ft. Loose spikes of blue. *Each 25c; doz., \$2.50.* Pkt. 20

—Belladonna Semi-plena. (New.) 2 ft. Clear bright blue, dwarf branching habit splendid for cutting. *Plants, each 50c; 3 for \$1.40; doz., \$5.00.*

When ordering—If SEEDS, use numbers; if PLANTS, give names, using separate order sheet



CAMPANULA (Cantebury Bells)



CHRYSANTHEMUM MAXIMUM



COREOPSIS LANCEOLATA

Flower Seeds and Plants

DELPHINIUM—Continued.

- 5172 —**Belladonna Hybrids, Mixed, all colors**, from pale to deep blue. $\frac{1}{8}$ oz. 50c. Pkt. 20c
—**Cory (New)**. Double sky blue and red. Plants, each 75c; doz., \$8.00.
- 5173 —**Indigo (New)**. 4 ft. Pure indigo blue, comes true from seed. Pkt. 25c
—**Lamartine (New)**. 4 ft. Single dark blue flowers with white center; free branching habit. Plants, each 25c; doz., \$2.50; 100, \$18.00.
- Lorenze de Medici**. Double pink with soft blue. Plants, each, \$1.00.
- Mrs. Thompson**. Clear distinct gentian-blue flowers on erect spikes, borne very freely. Plants, each 30c; doz., \$3.00.
- Persimmon**. An improved "Belladonna." Color, better and brighter. Vigorous branching habit. Plants, each 35c; doz. \$3.50.
- Queen Wilhelmina**. Sky blue, single; very tall grower. Plants, each, 75c; doz., \$8.00.
- Rev. E. Lascellas**. Very conspicuous rich blue, semi-double. Plants, each, \$1.00.
- 5176 **Vaughan's Gold Medal Hybrids**. This strain is especially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Plants, each 25c; doz., \$2.50; 100, \$15.00. $\frac{1}{8}$ oz. 50c. Pkt. 25c

DIANTHUS (Hardy Garden Pinks).

Charming summer flowering border plants, more or less fragrant; should be planted in full sun or open situation, adding lime or old mortar rubble to the soil at time of planting.

- Abbotsford**. 15 in. Attractive shade of pink. Each 20c; doz. \$2.00; 100, \$12.00.
- Deltoides**. 9 in. Masses of small deep rose flowers, neat creeping habit. An excellent rock or edging plant. Plants, each 20c; doz., \$2.00.
- 5180 —**Plumarius Cyclops (Clove Pink)**. An exquisite mixture of colors. Plants, each 20c; doz., \$2.00; 100, \$12.00. $\frac{1}{8}$ oz., 30c. Pkt. 10c
- 5181 —**Diadematus**. 12 in. White, pink and crimson, flowers in great masses. Plants, each 15c; doz., \$1.50; 100, \$10.00. Pkt. 10c
- 5182 —**Perfection**. 15 in. White, crimson center. Pkt. 15c
- 5184 —**Albus Plenus**. 12 in. Fine double white. Pkt. 25c
- 5185 —**Semperflorens**. 15 in. Single and Double, flowers all spring and summer. Mixed colors. Plants, each 15c; doz. \$1.50; 100, \$10.00. $\frac{1}{8}$ oz., 45c. Pkt. 15c
- Lilac Queen**. A very charming pale rose lavender. Plants, each 20c; doz., \$2.00.
- 5186 —**Single Mixed**. Delicately fringed flowers. $\frac{1}{4}$ oz., 25c. Pkt. 10c
- 5187 —**Double Mixed**. Fine for cutting. $\frac{1}{8}$ oz. 40c. Pkt. 10c
- 5188 —**Vaughan's Special Mixture**. A grand selection of clove pinks of the Plumarius type. Plants, each 20c; doz., \$2.00; $\frac{1}{8}$ oz., 50c. Pkt. 20c
- 5189 —**Latifolius Atroroccineus Plenus**. 15 in. Double fiery crimson. Plants, each 20c; doz. \$2.00. Pkt. 10c

DIANTHUS BARBATUS (Sweet William). 18 in. to 24 in.

The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet Williams looks well in solid beds or masses and requires a good, rich well manured soil to grow them to perfection, excellent border plants and fine for cut flowers.

Single Varieties:

- 5192 —**Carmine Beauty**. A charming and distinct color. $\frac{1}{8}$ oz., 50c. Pkt. 15c
- 5193 —**Copper Red**. A new and rich color. Attractive for cut flowers. Pkt. 15c
- 5194 —**Diadematus**. One of the prettiest, flowers rose, spotted and sprinkled with white. Plants, each 15c; doz., \$1.50; 100, \$10.00. Pkt. 10c
- 5195 —**Johnson's Giants**. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Plants, each 15c; doz., \$1.50; 100, \$10.00. $\frac{1}{8}$ oz., 25c. Pkt. 15c
- 5196 —**Nigrescens**. Flowers almost black. Plants, each 15c; doz., \$1.50; $\frac{1}{4}$ oz., 25c. Pkt. 10c
- 5197 —**Salmon**. A very pleasing shade. $\frac{1}{8}$ oz., 40c. Pkt. 10c
- Sutton's Scarlet (Scarlet Beauty)**. A vivid scarlet color; very striking. Plants, each 15c; doz., \$1.50.
- 5199 —**Albus**. Single white. Plants, each 15c; doz., \$1.50; 100, \$10.00. Pkt. 10c
- 5200 —**Atroroccineus**. Single blood-red. $\frac{1}{4}$ oz., 25c. Pkt. 10c
- 5201 —**Roseus (Pink Beauty)**. Single pink. $\frac{1}{4}$ oz., 25c. Pkt. 10c
- 5202 —**Single Mixed**. $\frac{1}{4}$ oz., 25c. Pkt. 10c
- 5203 —**Single Giant-Flowered Mixed**. Plants, each 15c; doz., \$1.50. $\frac{1}{4}$ oz., 35c. Pkt. 10c

Double Varieties:

- 5204 —**White**. $\frac{1}{8}$ oz., 30c. Pkt. 10c
- 5205 —**Rose**. Pkt. 10c
- 5206 —**Blood Red**. Pkt. 10c
- 5207 —**Mixed**. $\frac{1}{4}$ oz. 40c. Pkt. 10c
- 5208 —**Double Giant-Flowered Mixed**. $\frac{1}{4}$ oz., 60c. Pkt. 15c

5209 **Vaughan's Special Mixture, Sweet William**. A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers.

If you plant but one perennial, plant this. Each 20c; doz., \$2.00. $\frac{1}{8}$ oz., 35c. Pkt. 15c

DICTAMNUS (Gas Plant).

- 5211 —**Fraxinella**. 3 ft. An old beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting. Plants, 25c; doz., \$2.50.
- Albus**. 3 ft. Spikes of pure white sweet scented flowers. Plants, 25c; doz., \$2.50.

DIELYTRA Spectabilis (Bleeding Heart). 2 ft. A graceful plant with green fine cut foliage, and pendulous sprays of pink heart-shaped flowers, pink tipped white. Plants, each 25c; doz., \$2.50; 100, \$18.00.

DIGITALIS (Foxglove).

3 to 5 ft. Stately old garden favorites for garden, shrubbery borders, and naturalizing in suitable places.

- 5213 —**Gloxiniaeflora, White**. Flowers shaped and spotted like a gloxinia. Pkt. 10c
- 5214 —**Pink**. 5215 **Purple**. Each color, $\frac{1}{4}$ oz., 35c. Pkt. 10c
- Plants, any of above, each 20c; doz., \$2.00; 100, \$12.00.
- 5217 —**Mixed Colors**. Plants, each 15c; doz., \$1.50. $\frac{1}{4}$ oz., 30c. Pkt. 10c

When ordering—If SEEDS, use numbers; if PLANTS, give names, using separate order sheet



DELPHINIUM—Gold Medal Hybrids



DIANTHUS (Hardy Pink)



DIANTHUS (Sweet William)

Vaughan's Perennial

DIGITALIS—Continued.

- 5218 —Grandiflora. Bright yellow. Plants, each 15c; doz., \$1.50; 100, \$10.00. Pkt. 10c
- Lanata. 3 ft. Creamy white. Plants, each 15c; doz., \$1.50; 100, \$10.00.
- 5220 —Maculata Iveryana. Splendid spotted strain, mixed colors. ¼ oz., 25c. Pkt. 10c
- 5221 —Monstrosa Mixed. Long spikes surmounted by one enormous flower. Pkt. 10c
- 5222 —Purpurea Mixed. Many colors. ¼ oz., 25c. Pkt. 10c



Vaughan's Special Mixture of Digitalis. A grand mixture of the above, and many other colors, grown especially for this mixture. Plants, each 20c; doz., \$2.00; 100, \$12.00. ½ oz., 25c. Pkt. 15c

ECHINACEA (Coneflower.) 4 ft.

- 5225 —Hybrida. Flowers of various shapes, produced in a wide range of colors. Pkt. 15c
- 5226 —Purpurea. A very handsome border plant bearing large heads of rosy purple flowers, and dark central disc. (Synonymous with Rudbeckia Purpurea). Plants, each 20c; doz., \$2.00; 100, \$12.00. Pkt. 15c

ECHINOPS (Globe Thistle.)

- Handsome, strong-growing plants with thistle like leaves and globe shaped bristley flowers.
- 5227 —Ritro. 3 ft. Fine blue flower heads. Pkt. 10c
- 5228 —Sphaerocephalus. 4 ft. Grayish white flowers on stout stems. Plants, each, 20c; doz., \$2.00. Pkt. 10c

ERIANTHUS.—See Grasses.

ERIGERON. Valuable summer flowering border plants with elegant aster-like flowers.

- Amos Perry. Large pale blue flowers 2 in. in diameter. Plants, each, 35c; doz., \$3.50.

ERYNGIUM (Sea Holly). July-Sept. Handsome ornamental plants for flower and shrubby borders

- 5232 —Alpinum. 3 ft. Shining green leaves, large light blue flowers. ¼ oz., 50c. Pkt. 10c
- 5233 —Amethystinum. 3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst blue thistle-like flowers. Plants, each 20c.; doz., \$2.00; 100, \$12.00; ¼ oz., 75c. Pkt. 10c
- 5234 —Planum. 3 ft. Small light blue globular flowers; graceful decorative plant. Plants, each 20c; doz., \$2.00. Pkt. 10c

EULALIA.—See Grasses.

EUPATORIUM (Thorough Wort)

- 5236 —Ageratoides. 2 ft. Pure white ageratum-like flowers. Plants, each 20c; doz., \$2.00. 100, \$12.00. ⅛ oz., 20c. Pkt. 10c
- Coelestinum (Mill Flower). 2 ft. Sept. Heliotrope flowers, very useful for borders. Plants, each 20c; doz., \$2.00.
- 5238 —Fraseri. 18 in. Pure white. Pkt. 10c

FERNS.

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage.

- Adiantum Pedatum (Maidenhair Fern).** 1 ft. The best dwarf fern.
- Asplenium Angustifolium (Spleenwort).** 3 ft. Handsome stately fern.
- Asplenium Felix-Foemina (Lady Fern).** 2-3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.
- Aspidium Acrostichoides (Christmas Fern).** 1 ft. Deep green fronds.
- Aspidium Cristatum.** 2 ft. Grows well in swampy situation.
- Aspidium Goldianum.** 4 ft. One of the finest Aspidiums.
- Aspidium Marginale.** 2 ft. Very wide graceful fronds.

- Aspidium Spinulosum (Wood Fern).** 1½ ft. A very pretty evergreen species, with finely bisected fronds.
- Aspidium Thelypteris.** 2 ft. Very variable, fronds long and narrow.
- Onoclea Sensibilis (Sensitive Fern).** 1-2 ft. Wet places, open or shade.
- Onoclea Struthiopteris (Ostrich Fern).** 3-4 ft. One of the most stately and best for cultivation; handsome dark green fronds.
- Osmunda Claytoniana.** 2 ft. A good fern for the shady corner, 7 to 12 inches wide, broader than long.

Plants, any of the above, each 25c; doz., \$2.50; 100, \$18.00. (Ready March 15)

FORGET-ME-NOT.—See Myosotis.

FUNKIA (Day Lily).

These handsome, hardy, herbaceous plants develop their ornamental foliage early in spring, and in summer and autumn throw up a profusion of Lily-like flower spikes. All are grand plants for the flower border or permanent edgings, especially on shady borders. They develop their foliage to greater size, if grown in partial shade.

- Lanceolata. 12 in. Sept. Pale lilac flowers. Each 20c; doz., \$2.00; 100, \$12.00.
- Subcordata Grandiflora Alba (Corfu Lily). 18 in. Large spikes of snow white fragrant flowers. Plants, each 25c; doz., \$2.50; 100, \$15.00.
- Thomas Hogg. 12 in. Large green foliage margined white. Plants, each 25c; doz., \$2.50.
- Undulata Medio Variegata. 12 in. Silvery white, lined green. A very ornamental foliage plant. Plants, each 25c; doz., \$2.50.

GAILLARDIA (Blanket Flower).

June to October, 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

- 5240 —Grandiflora Mixed. Plants, each 15c; doz., \$1.50; 100, \$10.00; ¼ oz., 30c. Pkt. 10c
- 5241 —Copper Red. Yellow, with large red center. Pkt. 15c
- 5243 —Compacta. Varied colored compact flowers well above foliage. ¼ oz., 25c. Pkt. 10c
- 5245 —Maxima Kermesina Splendens. Center crimson, canary yellow border. Pkt. 10c
- 5246 —Sulphurea Oculata. Pale yellow, maroon eye. Pkt. 10c
- 5247 —New Hybrids. Very large flowers, in a great variety of colors. ¼ oz., 60c. Pkt. 25c

GALEGA Hartlandi (Goat's Rue). 4½ ft. June-Aug. Pea-shaped, sweet scented blossoms. Valuable cut flowers. Plants, 20c; doz., \$2.00.

- 5251 **GEUM Coccineum Plenum (Avens).** 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. Pkt. 10c
- 5252 —Coccineum, Mrs. Bradshaw. A splendid variety with very large double flowers of a striking fiery red color. Plants, each 25c; doz., \$2.50. Pkt. 15c
- 5253 —Heldreichi. Beautiful orange flowers produced throughout summer. Pkt. 10c

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names



DIGITALIS (Foxglove)



EUPATORIUM AGERATOIDES



FUNKIA (Day Lily)

Flower Seeds and Plants

GOLDEN ROD—See Solidago.

GRASSES (Ornamental). For foliage only. Very decorative. Ornamental Grasses can be used with telling effects in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn.

- 5254 —**Arundo Donax (Giant Reed).** 10-15 ft. Noble plant like a gigantic maize. Pkt. 10c
- 5256 —**Erianthus Ravennae (Pampas).** 10 ft. Grand plumes. Plants, 25c. Pkt. 10c
- Eulalia Gracillima Univittata.** 4-5 ft. Arching narrow green foliage. Plants, 25c.
- 5257 —**Eulalia Japonica Zebrina (Zebra Grass).** 5 ft. Gold banded. Pkt. 10c
- 5258 —**Variegata (Japan Rush).** 4 ft. The best of the variegated kinds. Pkt. 10c
- 5259 —**Cynerium Argenteum (Pampas Grass).** 8 ft. Pure white plumes. Pkt. 10c
- Phalaris Arundinacea Variegata (Gardener's Garters).** 2 ft. Variegated ribbon-grass, fine for cutting. Plants, each 20c; doz., \$2.00; 100, \$12.00.

GYPSOPHILA.

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting.

- 5262 —**Paniculata (Baby's Breath).** 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Plants, each 20c; doz., \$2.00; 100, \$12.00; ¼ oz., 25c. Pkt. 10c
- Paniculata Flore Pleno.** Double white flowers. Plants, 25c.

HELIANIUM (Sneezewort).

Delightful perennials allied to the Helianthus (Sunflower).

- 5264 —**Autumnale Superbum.** 5 ft. Large clear light yellow, flowers in Sept. Plants, each 20c; doz., \$2.00; 100, \$12.00; ½ oz. 40c. Pkt. 10c
- 5267 —**Bigelowii.** 2 ft. Large rich yellow flowers. ½ oz., 50c. Pkt. 10c
- Hoopesii.** 2 ft. May-July. Rich orange yellow. Plants, 20c; doz., \$2.00.

HELIANTHUS (Hardy Sunflower).

Producing a grand effect planted in garden beds or borders, or in the woodlands or wild garden.

- 5270 —**Maximilianus.** 7 ft. Aug.-Oct. Golden yellow, small flowers. Pkt. 10c
- Multiflorus Plenus.** 6-8 ft. Double yellow flowers, useful for cutting. Plants, each 20c; doz., \$2.00; 100, \$12.00.
- Rigidus, Miss Mellish.** 7 ft. Large single yellow. Plants, 20c; doz., \$2.00.

HELIOPSIS Grattissima (New). 3 ft. Large orange flowers with several rows of florets. Invaluable for cutting. Plants, each 35c; doz., \$3.50.

- 5273 —**Pitcherianus.** 5 ft. Aug.-Oct. Yellow semi-double flowers. ¼ oz., 25c. Pkt. 10c

HELLEBORUS Niger (Christmas Rose). 8-12 in. Flowers white, faintly tinged rose. If grown in partial shade they will flower at Christmas, or earlier, flowers turning white. Think of the novelty of cutting flowers from beneath the snow at Xmas—try it. Plants, each 35c; doz., \$3.50; 100, \$25.00.

HEMEROCALLIS (Yellow Day Lily).

The Day Lillies are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere. The flowers are in spikes of from six to a dozen blooms, opening in succession, and are very useful cut flowers. Good for borders, shrubberies, wild garden or naturalizing.

- Citrina.** Pale yellow flowers of immense size, in huge spikes. Each 50c; doz., \$5.00
- Flava.** Pleasing pale yellow. Plants, each 15c; doz., \$1.50; 100, \$10.00.
- Florham.** Fine rich golden yellow. Plants, each 30c; doz., \$3.00,
- Fulva.** Showy coppery red. Plants, each 20c; doz., \$2.00.
- Kwanso fl. pl.** Beautiful double orange flowers. Plants, each 20c; doz., \$2.00.
- Thunbergi.** 4 ft. Beautiful primrose flowers, on tall stems. Plants, 20c.

HESPERIS Matronalis (Sweet Rocket). 2 ft.

Deliciously sweet scented flowers for garden or cutting. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

- 5276 —**Purpurea.** Purple. ½ oz., 20c; oz., 35c; lb., \$3.50. Pkt. 10c
- 5277 —**Alba.** White. ½ oz., 20c; oz., 35c. Pkt. 10c

HEUCHERA (Alum Root). 2 ft.

—**Brizoides Gracillima.** Graceful stems of rosy crimson flowers. Plants, each 25c; doz., \$2.50.

- Nancy Perry.** Beautiful sprays of bright coral pink; very fine. Each, 25c; doz., \$2.50.
- 5279 —**Sanguinea.** Long stems of large crimson-scarlet flowers. Pkt. 25c

HIBISCUS (Rose Mallows). 3 to 5 ft. July to Sept.

Noble shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.

- 5281 —**Crimson Eye.** Creamy white flowers, large crimson center. Plants, each 20c; doz., \$2.00; ¼ oz., 25c. Pkt. 10c
- 5282 —**Golden Bowl.** Deep creamy, with a velvety maroon center. ¼ oz. 25c. Pkt. 10c
- 5283 —**Moscheutos (Rose Mallow).** Very showy pink flowers. Plants, each, 20c; doz., \$2.00; ¼ oz., 25c. Pkt. 10c
- 5284 —**Mixed Mallow Marvels.** Grand Assortment. Plants, each 20c; doz., \$2.00; 100, \$12.00; ¼ oz., 25c. Pkt. 10c
- Mallow Marvels.** Separate color in white, pink and red. Plants, each, 25c; doz., \$2.50.

HOLLYHOCK. 6-8 ft. Aug.-Sept.

One of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy, but much can be done to prevent it and reduce the damage by spraying the plants with Bordeaux Mixture.

Double Varieties—

- | | | | | | | |
|------|---|----------|------------|-----------------------|----------|---|
| 5286 | White | 5288 | Rose | 5290 | Salmon | } Each Color, ¼-oz., 40c; }
½-oz., 25c. Pkt. 10c |
| 5287 | Pink | 5289 | Black | 5291 | Yellow | |
| 5292 | Crimson | 5293 | Blood Red. | | | |
| 5295 | White, with purple base | Pkt. 10c | 5296 | White, with pink base | Pkt. 10c | |
| 5297 | Newport Pink | Pkt. 10c | | | | |
| | Double Red, Yellow, Maroon, Pink, or White. Plants, each 25c; doz., \$2.50. | | | | | |
| | Double Mixed Colors. Plants, each 20c; doz., \$2.00. | | | | | |
| 5299 | Allegheny Mixed. Semi-double and single. Each 15c; doz., \$1.50; ¼ oz., 30c. Pkt. 10c | | | | | |

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names



GAILLARDIA GRANDIFLORA



HELLEBORUS (Xmas Rose)



MALLOW MARVELS (Hibiscus)

Perennial Flower Seeds and Plants

HOLLYHOCK.—Continued—

5300 **Vaughan's Prize Mixture.** Finest shades in perfect flowers. ¼ oz., 40c....Pkt. 10c

Single Varieties—



5301 Red. 5302 Pink. 5303 Black. 5304 Flesh... Each, Pkt. 10c
5305 Rose. 5306 White..... Each, Pkt. 10c

5308 —Mixed. ¼ oz. 25c. Plants, each 15c; doz., \$1.50; 100, \$10.00.....Pkt. 10c

5309 **HYACINTHUS Candicans.** White Yucca-like flowers. Very decorative.
½ oz., 20c. (See also "Bulbs").....Pkt. 10c

HYPERICUM Moserianum (St. John's Wort). 3 ft. July-September.

A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups, the branches being literally laden down with them. A most desirable plant for sunny situations.

Plants, each 25c; doz., \$2.50. (Perennials continued on page 106.)

VARIOUS IRISES

INTERREGNA. Resulting from a cross between the Pumila and German Iris, this type has retained the good qualities of both and yet is entirely distinct. It has the strength and vitality of the Pumila as well as the large flower and beautiful colors of the German type. Blooming profusely after the former has faded but earlier than the latter, the Interregna type fills the gap and supplies a perfection of bloom throughout a considerable period, when flowers are greatly prized. The height is intermedate and its freshness of foliage is kept until autumn.

—**Halfdan.** Rich, creamy yellow, very fine keeper. Plants, each 20c; doz., \$2.00.

—**Walhalla.** Petals rosy lavender above, delicate claret below. Plants, 20c; doz., \$2.00.

LONGIPETELA Superba. Flowers soft, porcelain-blue, with long pale blue falls, having a golden blotch at the base. Fine for massing. Plants, each 15c; doz., \$1.50.

PUMILA Hybrida. Dwarf variety of German Iris, growing about 8 inches high, very free blooming. These bloom about two weeks before the German Iris.

Plants, each 15c; doz., \$1.25; 100, \$8.00.

—**Cyanea.** Rich royal purple with black shading. **Florida.** Beautiful lemon yellow shaded darker. Plants of either. Plants, each 15c; doz., \$1.25; 100, \$8.00.

JAPAN IRIS (Iris Kaempferi)

A splendid hardy plant of easy growth; delights in constantly cool, moist soil. In its native home it flourishes in swamps succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diam., the various shades of color are exquisite.

—**Choice Mixed.** Including Rose, Deep Red, Blue, White, etc. Plants, 25c; doz., \$2.50.

5310 —**Single or Double.** Many kinds mixed. Seed is of slow germination.
¼ oz., 25c; oz., 75c.....Pkt. 10c

IBERIS (Perennial Candytuft). 6-10 in.

Dwarf evergreen plants, covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

5312 —**Gibraltarica.** Pinkish white, bushy habit. Each 15c; doz., \$1.50. ½ oz., 40c Pkt. 10c

5313 —**Sempervirens.** Flowers form a sheet of whiteness.....Pkt. 15c

5314 **INCARVILLEA Delavayi (Hardy Gloxinia).** 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation.
Plants, each 25c; doz., \$2.50; ½-oz., 40c.....Pkt. 10c

5315 —**Grandiflora.** 1 ft. Dwarf crimson flowers with white and yellow throat.
Plants, each 25c; doz., \$2.50.....Pkt. 10c

LATHYRUS Latifolius. (Hardy Pea.)

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting.

5318 —**Albus.** 6 ft. Pure white flowers. Oz., 80c.....Pkt. 10c

5319 —**Pink Beauty.** Pale pink variety. Oz., 80c.....Pkt. 10c

5320 —**Rubra.** Bright rosy crimson. Oz., 80c.....Pkt. 10c

5321 —**White Pearl.** Pure white. The best of this color.....Pkt. 20c

5322 —**Mixed.** The above colors. oz., 60c.....Pkt. 10c

LAVANDULA Vera (True Lavender). A much prized, highly perfumed border

plant. Plants, each 20c; doz., \$2.00.....Pkt. 10c

—**Spica (Common Lavender).** Plants, each 20c; doz., \$2.00.

LIATRIS Pycnostachya (Blazing Star). 3 ft. Handsome border plant with

long rose colored, purple spikes. Plants, each 20c; doz., \$2.00.

5322a —**Spicata (Devil's Bit)** Dense spikes of rosy purple.
Each, 20c; doz., \$2.00; 100, \$12.00. ¼ oz. 25c.....Pkt. 10c

LILY OF THE VALLEY. Large clumps for spring planting. Plants, each, 30c; doz., \$3.00.

LINARIA (Toad Flax).

Showy free flowering plants, of a trailing habit. Good for borders, window boxes, or rockeries.

5323 —**Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange, flowers throughout summer; trailing habit. ½ oz., 40c.....Pkt. 10c

5324 —**Alba.** 3 in. White with orange lip.....Pkt. 10c

LINUM (Flax)

5326 —**Perenne.** 2 ft. Pearly blue flowers. A graceful hardy perennial.

Plants, each 20c; doz., \$2.00. ¼ oz., 20c.....Pkt. 10c

5327 —**Album.** Milk white flowers, very decorative. Each 20c; doz., \$2.00; ¼-oz., 20c Pkt. 10c

5328 —**Mixed.** ¼ oz., 20c.....Pkt. 10c

5329 **LOBELIA Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Brilliant fiery scarlet flowers, prefers moist position. Plants, each 20c; doz., \$2.00.....Pkt. 10c

5331 **LUNARIA Biennis (Honesty or St. Peter's Penny.)** Flowers white, followed by silvery seed pods, prized for winter decoration. Oz., 40c.....Pkt. 10c

5332 —**Alba** Pure white. ½-oz., 25c.....Pkt. 10c

Annual Flower Seeds are Offered in Separate List, Pages 67 to 94



VAUGHAN'S DOUBLE HOLLYHOCK



HYPERICUM MOSERIANUM



JAPANESE IRIS

Vaughan's Hardy Irises

Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, they yield points of interest not to be found in the whole of the Orchid family. In colors there are the richest yellows, the most intense purples and delicate blues, the softest mauves and very beautiful claret-reds. There are also whites, and primroses, and bronzes of every imaginable shade—our descriptions really fall far short of the reality. Those who have not used these Irises for surrounding lakes and ponds, above water level, or cultivated them in the flower borders, shrubberies, and wild gardens, should do so.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Amas (Macrantha). "S" Rich blue; "F" Violet; very large and handsome. Each, 25c; doz. \$2.50. Alcazar. "S" Violet with bronze sheen; "F" rich crimson with lighter veins. A very rich and striking flower. Each, 75c; doz., \$8.00. Archbishop (Archeveque). (New.) Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. Each, 40c; doz., \$4.00. Black Prince (Kochi Atropurpurea). "S" Purple lilac; "F" velvety black. A very striking dark flower. Each, 25c; doz., \$2.50; per 100, \$12.00.

Black Prince. (Barr). "S" Soft purple lilac; "F" rich velvety black; large flower, free blooming. Each, 75c; doz., \$8.00.

Candicans. A beautiful clear pale blue. Each, 20c; doz. \$2.00.

Candelabre. (New.) "S" Mauve and purple; "F" Violet, with white and black veins.

Each, 25c; doz., \$2.50.

Caprice. (New.) "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises.

Each, 20c; doz., \$2.00; per 100, \$12.00.

Celeste. Fine satiny blue. One of the most beautiful of Hardy Irises. Each, 20c; doz., \$2.00.

Charles Dickens. "S" Blue; "F" Blue, suffused dark purple. Each, 15c; doz., \$1.50; 100, \$8.00.

Cherubim. "S" Pale lilac; "F" Pale lilac, veined purple. Each, 30c; doz., \$3.00; per 100, \$20.00.

Crepuscule. "S" and "F" delicate violet purple, quite devoid of markings. Immense flowers on long stems, Early. Highly recommended. Each, 35c; doz., \$3.50; per 100, \$25.00.

Clio. White "S" clear blue "F" Each, 30c; doz., \$3.00; per 100, \$20.00.

Darius. "S" Primrose yellow; "F" Lilac and primrose. Each, 15c; doz., \$1.50.

Dorothea. (New.) An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veining. Very fine. Each, 20c; doz., \$2.00; per 100, \$12.00.

Dr. Bernice. (New.) "S" Coppery bronze; "F" Velvety crimson. Very handsome. Ea., 20c; doz. \$2.00.

Edward Michell. (New.) Tall spikes of flowers splendidly shaped. "S" Broad; "F" Long and wide.

The whole flower is deep wine red. Each, 75c; doz., \$8.00.

Eldorado. (New.) "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. Each, 35c; doz., \$3.50; per 100, \$25.00.

Fairy. Beautiful white with blue border and veining. Each, 25c; doz., \$2.50.

Florentina Alba. Large pure white fragrant flowers. Each, 20c; doz. \$2.50; per 100, \$12.00.

Frofin. "S" and "F" pale canary yellow, merging to cream at base. Each, 20c; doz. \$2.00.

Gajus. "S" Light clear yellow; "F" Crimson, reticulated white and yellow. Each, 20c; doz. \$2.00.

Gertrude. Deep violet blue; very fragrant. Each, 20c; doz., \$2.00.

Gracchus. "F" Crimson, reticulated white, fine, early. Each, 15c; doz. \$1.50; per 100, \$10.00.

Hector. "S" Soft clouded yellow; "F" Velvety crimson. Each, 15c; doz., \$1.20; per 100, \$6.00.

Heteranth. "S" Bright blue; "F" Deeper blue. Early. Each, 15c; doz., \$1.20; per 100, \$6.00.

Honorabilis (Sans Souci). A most effective combination. "S" golden; "F" rich mahogany.

Each, 15c; doz., \$1.20; per 100, \$6.00.

Isoline. "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. Each, 40c; doz., \$4.00; per 100, \$30.00.

Jeanne d'Arc. (New.) Flowers large, sepals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. Each, 35c; doz., \$3.50; per 100, \$25.00.

Kharpur (Italia). "S" Violet; "F" Violet purple, large handsome bloom. Each, 25c; doz., \$2.50.

King of Iris. (New.) "S" Lemon yellow; "F" Deep brown and yellow. One of the most beautiful of all Irises. Each, 40c; doz., \$4.00; per 100, \$30.00.

L'Avenir. A beautiful shade of satin blue. Each, 25c; doz., \$2.50; per 100, \$15.00.

Lohengrin. Large handsome silvery-mauve flowers. Each, 25c; doz., \$2.50; per 100, \$15.00.

Lord Salisbury. "S" Amber white; "F" Dark violet purple. Each, 15c; doz. \$1.50.

Lord Seymour. Very much like Mme. Chereau, but "S" are a more delicate pale lavender.

Each, 35c; doz., \$3.50.

Loreley. "S" Light yellow; "F" Ultramarine blue, bordered cream.

Each, 20c; doz. \$2.00; per 100, \$12.00.

Loute. "S" Light blue and heliotrope; "F" reddish purple and bronze. Flower of majestic proportions and striking color. Each, 75c; doz., \$8.00.

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall.

Each, 15c; doz., \$1.20; 100, \$6.00.

Mme. Paquette. Bright rosy claret, early and beautiful. Sweet scented.

Each, 20c; doz., \$2.00; per 100, \$12.00.

Maori King. "S" Golden yellow; "F" Velvety maroon margined gold.

Each, 20c; doz., \$2.00; per 100, \$12.00.

Mars. "S" Light yellow; "F" Pale yellow with violet blotches.

Each, 15c; doz., \$1.20; per 100, \$6.00.

Minos. "S" Coppery bronze; "F" Deep claret, veined white.

Each, 15c; doz. \$1.20; per 100, \$6.00.

Monsignor. Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white pencillings at throat. Each, 35c; doz., \$3.50; per 100, \$25.00.

Mrs. H. Darwin. "S" Clear waxy white; "F" White, violet veins. Each, 15c.

Mrs. Newbronner. A beautiful deep self-yellow. Very fine. Each, 20c.

Nelly. "S" Blue; "F" clear white with blue veining and blotches. Each, 25c.

Orifamme. "S" light blue, "F" violet purple; fine large flower. Each, 80c.

Pallida Dalmatica. One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue.

Each, 30c; doz., \$3.00.; per 100, \$20.00.

Pallida Mandralisca. Rich lavender-purple, large and handsome.

Each, 25c; doz., \$2.50.

Peacock's Eye. "S" Olive yellow; "F" Brownish, shading to yellow. Each, 35c.

Pharaoh. "S" Lavender blue; "F" light violet, with lighter throat, deeply veined violet. Each, 15c; doz. \$1.20; per 100, \$6.00.

Plicata. "S" Bright violet-purple; "F" Violet purple, with lighter shadings.

Each, 15c; doz. \$1.20; per 100., \$6.00.

Princess Victoria Louise. (New.) "S" Immense sulphur yellow; "F" Plum color, shaded primrose. A very uncommon and pleasing shade.

Each, 35c; doz., \$3.50.

Pres. Thiers. "S" Lavender blue; "F" Deeper blue, white pencillings.

Each, 35c; doz., \$3.50.

Prosper Laugier. Deep velvety crimson, with deeply veined throat. "F" very broad. Highly recommended. Each, 25c; doz., \$2.50; per 100, \$15.00.

Queen Alexandra. "S" and "F" Bronzy-mauve. Very fine free-blooming variety. Each, 25c; doz., \$2.50.

Queen Emma. "S" and "F" clear waxy-white. The best of this color in our entire collection. Each, 35c; doz., \$3.50.



Queen of Gypsies. "S" Pale bronze or muddy lavender; "F" violet, with deep violet veins and golden beard. Each, 15c; doz. \$1.50; per 100, \$10.00.

Queen of May. "S" Lilac pink; "F" Lilac, blended with white; distinct.

Each, 20c; doz., \$2.00; per 100, \$12.00.

Rhein Nixe. (New.) "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. Each, 40c; doz. \$4.00.

Stenophylla. "S" Pale blue, indistinct stripes. "F" darker. Tall.

Each, 15c; doz., \$1.50; per 100, \$10.00.

Stormcloud (Nuee d'Orange). (New.) Very large flowers of a greyish slate blue with bronze shading. "F" Purplish blue, very fine. Each, 50c; doz., \$5.00.

Tamerlane. (New.) "S" Pale violet; "F" deep purple. Magnificent, tall, bold. Each, 50c; doz., \$5.00; per 100, \$35.00.

Trautlieb. "S" and "F" lovely uniform rose; very striking.

Each, 20c; doz., \$2.00.

Venus. "S" Lemon yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground. Each, 15c; doz., \$1.25.

Violaeca Grandiflora. "S" and "F" clear violet blue. The best true blue true blue. Each, 40c; doz., \$4.00.

HARDY IRIS SPECIAL MIXTURE. Doz., \$1.00 (postpaid); (by express) per 100, \$5.00; per 1000, \$45.00. (Exp.) (25 at 100 rate, 250 at 1000 rate.)

GOOD MIXTURE. For large plantings and naturalizing, splendid value; per 100, \$3.00; per 1000, \$25.00 (exp.)

Victory Collection **MME. PACQUETTE, HETERANTH,**

MRS. DARWIN

Red, White and Blue All Prepaid

1 Collection, 50c 3 Collections, \$1.25 6 Collections, \$2.25

"Bargain" Collections (Our Selection)

One each, 6 varieties (6 plants) \$0.50
 Three each, 6 varieties (18 plants) . . . 1.35
 Six each, 6 varieties (36 plants) 2.50

ALL PREPAID

(Exp.) denotes to be sent by express, purchaser paying Express charges.

Vaughan's Perennial



LOBELIA CARDINALIS



LUPINUS POLYPHYLLUS



LYCHNIS CHALCEDONICA

LUPINUS (Lupin).

- Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.
- 5333 — **Polyphyllus (Old Fashioned Garden Lupin)**. Blue. 3 ft. Stately spikes of blue, flowers all summer. Oz., 50c. Plants, each 20c; doz., \$2.00.....Pkt. 10c
 - 5334 — **Albus**. Large pure white spikes. ½-oz., 30c. Plants, each 20c; doz., \$2.00..Pkt. 10c
 - 5335 — **Roseus**. 4 ft. Light and dark rose flowers on long spikes. ¼-oz. 40c. Plants, each 20c; doz., \$2.00.....Pkt. 10c
 - 5336 — **Blue Cloud**. Spikes of lavender-blue, upper petals shaded rose. (25 seeds). Pkt. 15c
 - 5341 — **Rosy Gem**. Flowers of soft rose passing to deep rose. (25 seeds).....Pkt. 15c
 - 5343 — **Enchantress**. Producing long spikes of soft blue flowers, with upper petals shaded rose, very pretty. (25 seeds).....Pkt. 15c
 - 5344 — **Nelly**. Flowers white and rose, produced in long spikes. (25 seeds).....Pkt. 15c
 - 5346 — **Mixed**. Splendid value. Oz., 40c.....Pkt. 10c
 - 5347 — **Arboreus, Snow Queen**. 4 ft. The beautiful white **Tree Lupin**, forms a bush like a flowering shrub.....Pkt. 10c
 - 5348 **LYCHNIS Chalcedonica (Jerusalem Cross)**. 3 ft. June-Aug. Brilliant scarlet in dense flat heads. A grand border plant. Plants, each 20c; doz., \$2.00. ½-oz. 25c. Pkt. 10c
 - 5350 — **Alba (White Champion)**. Flowers white.....Pkt. 10c
 - **Haageana (Maltese Cross)**. 9 in. Brilliant orangescarlet. Plants, each 20c; doz., \$2.00.
 - 5351 — **Arkwrighti**. Brilliant orange scarlet. Plants each, 20c; doz. \$2.00.....Pkt. 25c
 - 5353 — **Haageana Hybrids**. Mixed, ranging from nearly white to bright scarlet.... Pkt. 10c
 - 5354 — **Sieboldii**. 1 ft. Large flat pure white heads. Plants, each 20c; doz., \$2.00. Pkt. 10c
 - 5356 — **Alpina**. 4 in. Clusters of rose colored flowers, dwarf.....Pkt. 20c
 - 5357 **LYTHRUM Roseum Superbum**. 4 ft. Tall erect pink spikes.....Pkt. 10c
 - **Perry's Variety**. 3-4 ft. An improvement on the old "Loose Strife". Larger flowers and larger spikes of glistening cherry red. Thrives in moist places. Plants, each 25c; doz., \$2.50; 100, \$15.00.
 - MERTENSIA Virginica (Blue Bells, Virginian Cowslip)**. 2 ft. Lovely drooping flower spikes of a rare pale blue color. Plants, each 20c; doz., \$2.00.
 - MICHAELMAS DAISY**. See **ASTER (Hardy)**.
 - MINT**. Old fashioned hardy useful plant. Plants, 4 in. pots, each 15c; doz., \$1.50; 100, \$8.00. Field roots, each 10c; doz., \$1.00; 100, \$7.00.
 - MONARDA (Bergamot, Oswego Tea)**. Flowers all summer.
 - **Didyma**. 3 ft. Terminal heads of rich scarlet flowers, emitting a very pleasant scent. Plants, each 15c; doz., \$1.50.
 - MYOSOTIS (Forget-Me-Not)**. 4 to 9 in.
 - The true forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants.
 - 5362A — **Dissitiflora**. Rich blue, early and compact. One of the best. ½ oz., 50c. Pkt. 10c
 - 5362B — **Palustris**. The true Swamp Forget-Me-Not.....Pkt. 20c
 - 5362C — **Semperflorens**. Dwarf blue, in flower from early spring until autumn....Pkt. 20c
 - **Alpestris Victoria**. Rich deep blue flowers. Plants, each 15c; doz., \$1.50; 100, \$10.00.
 - We list the seeds of Alpestris varieties among annuals as they are better treated as such by those who have no hot bed or cold frame accommodations for wintering the yearling plants.
 - NEPETA Mussini**. An excellent plant for rock garden or border, covered with blue flowers from early Summer to Fall. Plants, each 20c; doz., \$2.00; 100, \$12.00.
 - OENOTHERA (Evening Primrose)**. 2 ft.
 - Showy and beautiful plants for borders, beds, etc., flowering from June to October.
 - **Eldorado**. Double golden yellow flowers. Plants, each 20c; doz., \$2.00; 100, \$12.00.
 - 5365 — **Fraseri**. Rich golden yellow flowers. ½ oz., 40c.....Pkt. 10c
 - 5366 — **Macrocarpa**. 1 ft. Long trailing stems with large yellow flowers.....Pkt. 10c
 - PACHYSANDRA Terminalis**. 4 in. Small, whitish flowers in May, which are insignificant; deep green evergreen foliage, after the Helleborus type, but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere and invaluable where grass will not grow. Plants, each 20c; doz., \$2.00.
 - 5367 **PAPAVER Nudicaule (Iceland Poppy)**. 15in. Mixed. Elegant free flowering plants bearing flowers in abundance all summer. Plants, each 20c; doz., \$2.00; ½ oz., 20c.....Pkt. 10c
 - 5368 — **Nudicaule Yellow**. 5369 **Orange**. 5370 **White**. Any color, ½ oz., 20c. Plants, each 20c; doz., \$2.00.....Pkt. 10c
 - 5371 — **Double Mixed**. Extra fine strain.....Pkt. 15c
 - 5372 — **Bracteatum**. 3 ft. Scarlet. ¼-oz., 25c.....Pkt. 10c
 - **Oriental (Oriental Poppy)**. 3 ft.
 - For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies, and herbaceous borders, while for cutting they are invaluable.
 - **Goliath**. Vermillion with dark center immense flowers. Plants, 30c; doz., \$3.00.
 - **Mahony**. Deep maroon. Plants, each 30c; doz., \$3.00.
 - **Mrs. Perry**. 3 ft. A beautiful shade of bright shrimp-pink, with black blotches at base of petals. New and very desirable. Plants, each 25c; doz., \$2.50.
 - **Royal Scarlet**. 4 ft. Large flowers of dazzling orange scarlet. Plants, 20c, doz. \$2.00.
 - 5374 — **Oriental Red**. Very striking color. ¼ oz., 30c.....Pkt. 10c
 - 5375 — **Oriental Hybrids, mixed**. ½ oz., 30c.....Pkt. 10c
 - PENTSTEMON (Beard Tongue)**
 - **Princess Ena**. Salmon pink. Plants, each 30c; doz., \$3.00.
 - **Princess Victoria Louise**. Soft lilac rose. Plants, each 30c; doz., \$3.00.
 - **Silver Queen**. Silvery white. Plants, each 30c; doz., \$3.00.
 - 5377 — **Pubescens**. Rosy purple.....Pkt. 10c
 - 5378 — **Mixed, all colors**. A choice assortment.....Pkt. 10c
 - 5380 — **Large Flowering Newest Hybrids**. A splendid assortment of colors.....Pkt. 15c
 - **Barbatus Torreyi (Chelone)**. 3 ft. June-Aug. Handsome spikes of brilliant scarlet tubular flowers. Plants, each 20c; doz., \$2.00.
 - 5381 — **Digitalis**. 2-ft. June-July. Purple and white. Each 15c; doz., \$1.50.....Pkt. 10c

When ordering—If SEEDS, use numbers; if PLANTS, give names, using separate order sheet

Flower Seeds and Plants

PHALARIS. See Grasses.

5385 **PHYSALIS Franchetti.** (Chinese Lantern Plant.) 1½ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns. Pkt. 10c

PHYSOSTEGIA (False Dragon Head). 3 ft. June to Sept..

—**Grandiflora.** (New). Deep pink. 2 ft. Plants, each, 25c; doz., \$2.50.

5386 —**Virginica.** Dense bushes with spikes of delicate pink tubular flowers. Plants, each 20c; doz., \$2.00; 100, \$12.00 Pkt. 10c

5387 —**Alba.** White. Plants, each 20c; doz., \$2.00; 100, \$12.00 Pkt. 10c

PLATYCODON (Chinese Balloon Flower). 2 ft.

Very handsome border plants of the *Campanula* family, the flowers in bud having the appearance of inflated balloons, they flower from June to Sept.

5391 —**Grandiflorum.** Large handsome deep blue flowers. Plants, 20c; doz., \$2.00. Pkt. 10c

5392 —**Album.** Pure white. Plants, each 20c; doz., \$2.00 Pkt. 10c

5393 —**Mariesii.** 1 ft. Deep blue flowers, dwarf. ⅛ oz., 35c Pkt. 10c

POLYGONATUM Giganteum (Solomon's Seal). 3 ft. Desirable plant for shade, woodland, or bordering shrubs. The flowers are white, and hang in twos and threes from the underside of the foliage, which grows about 2-3 feet high like a fern frond. Plants, each 15c; doz., \$1.50; 100, \$10.00.

POLEMONIUM (Jacob's Ladder).

5395 —**Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue spikes. Pkt. 10c

5396 —**Grandiflorum Album** Pure white. Pkt. 10c

POTENTILLA (Cinquefoil). 1 ft.

5397 —**Formosa.** Strawberry-like foliage, with cherry rose colored flowers in summer. Pkt. 10c

5399 —**Single mixed,** all colors. Pkt. 10c

5400 —**Double mixed,** all colors. Pkt. 20c

POPPY—See Papaver.

PRIMULA (Primrose)

5401 —**Auricula.** 6 in. flowers in early spring in colors of yellow, brown and red. Pkt. 10c

5402 —**Japonica, Mixed.** Pkt. 15c

—**Rheingold.** Orange and red. Plants, each 25c; doz., \$2.50.

5404 —**Veris (Elatior).** The pale yellow Oxlip, bearing flowers in umbels. Pkt. 10c

5405 —**Grandiflora.** An extra choice large-flowered mixed strain. Plants, each 20c; doz., \$2.00 Pkt. 20c

5406 —**Lutea Gigantea.** Fine yellow, a remarkably handsome variety. Pkt. 25c

5407 —**Vulgaris (Common Primrose).** Flowers pale yellow. Pkt. 10c

5410 **PUERARIA Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk).** 50 ft.

Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful, strong growth.

Plants, each 25c; doz., \$2.50. ¼ oz., 25c Pkt. 10c

PYRETHRUM.

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; of colors almost every shade, which make them foremost in this particular season.

5411 —**Roseum, Double Mixed.** Extra choice, selected seed. Pkt. 25c

5412 —**Roseum, Single Mixed.** Plants, each 20c; doz., \$2.00. ⅛ oz., 30c. Pkt. 10c

5413 —**Roseum Hybridum Grandiflorum.** Single Mixed. Pkt. 15c

5415 —**Uliginosum.** 4 ft. Large giant daisy-like flowers, in great profusion. Plants, each 20c; doz., \$2.00. ⅛-oz., 50c Pkt. 10c

RANUNCULUS Repens, Fl. Pl. A showy plant bearing rosettes of double yellow flowers during May and June. Plants, each 20c; doz., \$2.00.

—**Acris Flora Plena.** Double yellow upright grower. Plants, each, 20c; doz., \$2.00.

5416 **REHMANNIA Angulata.** 6 in. Like "Incarvillea," in rose and red shades. Pkt. 25c

5419 **ROMNEYA Coulteri (California Tree Poppy).** 5 ft. Flowers all summer. Beautiful snowy white fragrant flowers. Four inches. Pkt. 15c

5420 **ROSMARINUS Officinalis (Rosemary).** An old garden favorite; fine as single specimens, makes a nice fragrant hedge. Each 15c; doz., \$1.50; 100, \$10.00. Pkt. 10c

RUDBECKIA (Cone Flower).

Somewhat resembling the *Sunflower*, but differing in the central disc of the single flowers protruding in the form of a cone. A highly ornamental Autumn-flowering plant, much valued for cutting.

5421 —**Laciniata.** Large single yellow flowers. Pkt. 10c

—**Laciniata fl. pl. (Golden Glow).** 6 ft. July-Sept. Rich yellow, double flowers, much prized for cutting. Plants, each 20c; doz., \$2.00.

5422 —**Fulgida,** yellow. Pkt. 10c

5423 —**Large Flowered Yellow.** Pkt. 10c

5424 —**Newmanii.** 3 ft. Rich golden yellow with central black disc. Plants, each 20c; doz., \$2.00; 100, \$12.00 Pkt. 10c

5425 —**Purpurea Grandiflora, Syn., Echinacea Purpurea (Purple Cone Flower).** 3 ft. September; large handsome crimson-purple flowers with dark central disc. Plants, each 20c; doz., \$2.00; 100, \$12.00 Pkt. 10c

5426 **SALVIA Argentea.** 3 ft. Silvery-white foliage, pyramids of white flowers, Pkt. 10c

5427 —**Azurea Grandiflora.** 4 ft. Sept-Oct. Stately willow-like growth, spikes of pale blue flowers. Plants, each 25c; doz., \$2.50; 100, \$15.00 Pkt. 10c

5428 —**Patens.** 2 ft. Large rich pure blue flowers. Pkt. 25c

—**Pitcheri (Meadow Sage).** 3 ft. August to October. One of the finest blue garden plants for brilliancy, far in advance of *Anchusa Italica*. It flowers in the fall right up to the first frost, the flowers coming in regular sheaves of cornflower blue. Plants, each 25c; doz., \$2.50.

5429 —**Officinalis (Common Sage).** Plants, each 15c; doz., \$1.50; 100, \$10.00 Pkt. 5c

5430 **SANTOLINA Maritima (Incana).** 1 ft. Silvery white fragrant foliage. Pkt. 10c

5433 **SAPONARIA Ocmoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. Pkt. 10c



MERTENSIA VIRGINICA



PHYSOSTEGIA VIRGINICA



PYRETHRUM ROSEUM

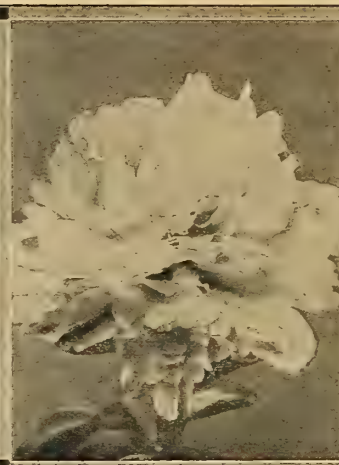
When Ordering—If SEEDS, use Numbers; if PLANTS, give Names



MARGUERITE GERARD



EUGENIE VERDIER



FESTIVA MAXIMA



PRES. TAFT

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

Planting. Peonies may be planted in spring as soon as the frost is out of the ground. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of rotten stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. We offer three sizes, viz.—**Divided roots**, 2 to 5 eyes. **Medium roots**, 4 eyes and up. **Large roots**, 4 to 5 year old clumps, 8 eyes and up.

D—Divided. M—Medium. L—Large Roots.

White and Light Varieties

Albatre. Very large flower of compact, globular form. Color, milky white with ivory shading; the wide center petals tinged lilac and edged with carmine in minute flecks, inclined to vary. A strong, upright grower and one of the best varieties in the white section. Fragrant. D, 60c; M, \$1.00; L, \$1.60.

Avalance. Large globe-shaped bloom similar to Albatre but not as early. E, 70c; M, \$1.00; L, \$1.60.

Carnea Triumphans. Guards and crown pale pink, collar amber-white, fragrant. Midseason. D, 50c; M, 75c.

Charlemagne. Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house than on the plant. Late; extra. D, 50c; M, 75c; L, \$1.25.

Couronne D'Or. Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. D, 60c; M, 85c; L, \$1.25.

Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. D, 40c; M, 75c; L, \$1.25.

Festiva (Drop White). Large, full, rose-shaped bloom, creamy white, flecked with carmine. Fine late variety. D, 50c; M, 75; L, \$1.25.

Festiva Maxima. Conceded to be the finest of all white Peonies for any purpose. Very large, 7 to 8 in. in diameter, clear white flowers, prominently flecked crimson, the outer petals sometimes faintly tinged lilac-white on opening. Vigorous and erect in growth; early. D, 50c; M, 80c; L, \$1.35.

Jeanne d'Arc. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. D, 50c; M, 75c.

La Rosiere. Large, compact semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. D, 75c.

La Tulipe. Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. D, 50c; M, 85c; L, \$1.25.

Madame Breon. Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. D, 50c; M, 85c; L, \$1.25.

Madame de Vetry. Large, compact high crown. Guards and crown lilac white, with sulphur white collar. Fragrant; medium height; midseason. D, 60; M, 85.

Madame de Verneville. A large full flower of bomb type; pure white with carmine-tipped central petals. A splendid early-flowering variety of pleasant odor; extra free. D, 59; M, 85c; L, \$1.25.

Marie Lemoine. A late-flowering ivory-white, occasionally showing carmine tracings on the petal edges. Enormous flowers on heavy, erect stems, standing well above the foliage. D, 50c; M, 80c; L, \$1.25.

White and Light Varieties—Cont.

M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. D, 75c; M, \$1.00; L, \$1.35.

Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. D, 40c; M, 60c; L, \$1.00.

Light and Dark Pink and Rose

Albert Crousse. Very large flat, compact bloom; rosy-white flecked crimson. Very fragrant, tall free bloomer. Late. D, \$1.00.

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. D, 60c; M, 85c.

Claire Dubois (Crousse). One of the very largest peonies. Very full compact and globular; rose-type flower. Color, soft light satiny-pink. Fragrant X and rather late. D, \$1.00.

Delicatissima. Large rose type. Pale lilac-rose. Fragrant. Very strong, tall grower, fine habit, free bloomer. Extra good keeper and shipper. Midseason. D, 60c.

Dorchester. Rose type flower, large and complete. Pale hydrangea—pink. Free bloomer and fragrant. D, \$1.25.

Duchess de Nemours (Gusrin). Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety. D, 60c; M, 85c.

Edulis Superba. Bright mauve pink collar mixed with lilac; fragrant; strong upright stems, free bloomer, early, one of the best pinks. D, 60c.

Eugenie Verdier. Delicate flesh pink, very tall, free and very beautiful. Midseason. We can conscientiously recommend this as one of the best pink Peonies in cultivation. D, 60c; M, 85c; L, \$1.25.

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. D, 40c; M, 65c; L, \$1.25.

Floral Treasure. Color pale lilac rose, large and showy; midseason extra good, one of the best commercial blooms. D, 60c; M, 85c.

Jules Calot. Large, flat rose type, dark pink, with silvery reflex. Fragrant, strong, medium height; free bloomer. Midseason. Good. D, 40c; M, 60c

Kohinoor. Shell pink, very free, splendid cut flower. Midseason. D, 40c; M, 65c; L, \$1.25.

Lady Leonora Bramwell. Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. D, 45; M, 65c.

La France. A distinct rose-type variety; very large blooms and perfectly double. Delicately fragrant. Color a charming shade a rose-pink reflecting mauve. Outer petals splashed with crimson. The freest of bloomers. Strong grower, long stemmed. A magnificent flower. Late midseason. An acquisition. D, \$3.00 each.

X Livingstone. Very massive solid light pink of the highest class. Rose shape. Free. Vigorous bloomer and very late. D, \$1.00.

L'Indispensable. Immense flowers of delicate pink with darker shading toward the center. D, 60; M, 85; L, \$1.30.

None of the early Summer Perennials can excel the Peony in beauty of form, color and fragrance. Peonies should be in every garden.



MME. DE VERNEVILLE



FELIX CROUSSE



OFFICINALIS RUBRA PLENA



LIVINGSTONE

Vaughan's Peonies

Light and Dark Pink, and Rose—Continued

- X **Madame Emile Galle.** Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. **D, \$1.00.**
- Madam Ducl.** Enormous, globular and compact bloom. Literally packed with petals, which are somewhat incurved like chrysanthemums. A brilliant shade of pink with silvery reflex. Holds its form and color to the end. Fragrant, early midseason bloomer. **D, \$1.00.**
- X **Madame Emile Lemoine.** Large globular, compact, semi-rose type. Milk-white. Medium height. **D, \$1.25; M, \$1.60.**
- Madame Forel.** Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. **D, 60c; M, 85c.**
- Madame Geissler.** One of the largest Peonies, very double globular, imbricated, massive and imposing. Color, a glossy silvery rose, shading to Bengal-rose at base of petals. Delicious fragrance. An abundant mid-summer bloomer. One of the best cut-flower sorts. **D, 75c; M, \$1.00.**
- Marguerite Gerard.** Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals flecked dark carmine. Free, late. Extra. **D, \$1.00; M, \$1.50.**
- X **Monsieur Jules Elie.** Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping; color, glossy flesh-pink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. **D, 75c; M, \$1.00.**
- X **Octavie Demay.** Delicate hydrangea-pink crown and guards; center nearly white; very dwarf; free blooming mid-season variety; large flat crown. A lovely sort. Should be in every garden. **D, \$1.00.**
- President Taft.** (New). Exquisite shade of lilac-pink with carmine center. Very large cup-shaped blooms. There is no better pink of this shade in our entire collection. **D, \$1.50; M, \$2.00.**
- Prolifera Tricolor.** Medium size. Guards flesh-white, collar of sulphur-yellow. Narrow ligulated petals, open, pale-rose crown, enclosing a tuft of sulphur-white petals. Fragrant. Late. **D, 60c; M, 85c; L, \$1.25.**
- Sarah Bernhardt.** (Lemoine). Guard petals silvery rose, center amber, tinged salmon. Exceedingly early and very beautiful. **D, \$4.00.**
- Souvenir de G. Calot.** Very large bloom, satiny pink, shaded glossy soft lilac. **D, 50c; M, 85c; L, \$1.25.**
- Souvenir de l'Exposition Universelle.** Large perfect shaped imbricated flower, brilliant cerise, with silvery reflex. **D, 60c; M, 90c.**
- Thorbeckii.** Deep rose pink; of fine form; lighter in center. Medium dwarf habit. **D, 50c; M, 75c.**
- Triomphe de l'Exposition de Lille.** Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. One of the best. **D, 60c; M, 85c.**

Red and Crimson Sorts

- Agida.** Bright red, semi-double. Very fine free blooming late variety. **D, 60c; M, 85c.**
- Augustin D'Hour.** Large, bomb-shaped flower, dark brilliant solferino-red with slight silvery reflex. Medium tall, very free; midseason. Very fine. **D, 60c; M, 90c; L, \$1.50.**
- X **Berlioz.** A charming flower, carmine rose, tipped silvery-white. Tall, free-flowering. Late midseason. **D, 60c; M, 85c.**
- Delachei.** A very striking Peony. Deep rich amaranth purple with a crimson reflex. Late, fragrant, a strong grower, and a free bloomer. **D, 45c; M, 60c.**
- X **Felix Crousse.** Large, compact, and typical bomb-shaped red, dazzling in the brilliancy of its color; it is in fact, the best red Peony. Free midseason blooming and quite fragrant. **D, 60c; M, \$1.00.**
- Gloire de Douai.** Large flower of a glowing rich crimson. **D, 60c; M, 85c.**

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

Red and Crimson Sorts—Continued

- Karl Rosenfield.** Very large flower, globular semi-rose type. Extremely vigorous grower, tall, and free-flowering. As an early red, it has no equal. **D, \$3.00.**
- La Grange.** This variety appeared with us as a rogue in "Charlemagne" some years ago. It impressed us as being very desirable on account of its striking red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. **D, 60c; M, 85c; L, \$1.25.**
- Louis Van Houtte.** Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex. Medium late. **D, 50c; M, 75c.**
- Marechal Vaillant (Grandiflora Rubra.)** Very large, compact, globular flower. Dark mauve pink; very tall and late. An excellent variety. **D, 75c; M, \$1.00; L, \$1.50.**
- M. Krelage.** Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. **D, 85c.**
- M. Martin Cahuzac.** Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower. **D, \$3.50.**
- X **Officinalis Rubra Plena.** This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. **D, 50c; M, 70c.**

Unnamed Peonies

- Double White, Pink and Red.** **D, 30c; M, 50c; L, \$1.00.**
- Japanese Tree,** 3 year old plants, 3 colors, each **\$1.25.**

Various Peonies

- Single Unnamed.**
 - Single Crimson,** divided roots, each, **60c.**
 - Single Pink,** divided roots, each, **60.**
 - Single White,** divided roots, each **75c.**
- Single Named.**
 - Areos.** Single, delicate soft pink in bud, fading to white when open, a very pretty variety and a free bloomer. **D, 60c.**
 - Emily.** Medium size. Violet-rose. Double row of petals. Medium tall. **D, 60c.**
 - Prince Bismarck.** Single beautiful crimson, showy yellow stamens. Free and long blooming variety. **D, 75c; M, \$1.00; L, \$1.50.**

Discount on Peonies

- Orders amounting to over \$5.00 and less than \$10.00 are subject to **10 per cent discount** for cash.
- Orders over \$10.00 and less than \$15.00 are subject to **12 per cent discount** for cash.
- All orders of \$15.00 and over are subject to **15 per cent discount** for cash.

Profits From Peonies

Peony culture is no longer a fad, but a real, live, business proposition, offering most excellent financial returns for the investment and labor required. Few, if any, of our popular commercial flowers can be produced with equal assurances of netting the grower better results in satisfaction and income. Peonies can be successfully grown under widely varying conditions, providing the proper cultural methods are pursued, and, while adaptable to culture in any open field, they are particularly suitable for improving vacant city property and back yard areas which would otherwise be waste ground.

Write us for list of best cut flowers of peonies and prices for dozen and 100 lots of a variety,



Rhynstrom

Antonin Mercie

Selma

Von Lassberg

Vaughan's Hardy Phlox Phlox Decussata

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

The blue, lavender and orange colored ones should be planted in semi-shades, as the sun is apt to bleach out the colors in a short time.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

- (1) Early
(2) Mid-season
(3) Late

- (D) Dwarf
(M) Medium
(T) Tall

Our price are for one-year field-grown plants.

At \$1.50 per dozen, price per 100 is \$10.00
At \$2.00 per dozen, price per 100 is \$14.00
At \$2.50 per dozen, price per 100 is \$18.00

25 of any variety supplied at these rates.

Antonin Mercie. (M. 2.) A beautiful grayish lilac with white center. Each, 15c; doz., \$1.50; per 100, \$10.00.

Bridesmaid. (D. 2.) Pure white, large crimson-carmine eye. Each, 15c; doz., \$1.50.

Crespuscule. (M 2.) Large cherry-red center, edged pale violet pink. Each 20c; doz., \$2.00.

Dedem. (T 2.) Brilliant orange-scarlet with immense trusses and individual flowers. Each 20c; dozen, \$2.00.

Elizabeth Campbell. (D. 2.) Bright salmon pink with lighter shadings and dark crimson eye. One of the best. Each, 25c; doz., \$2.50; per 100, \$15.00.

Europa. (T. 2.) White, distinct carmine eye, large flower. Each, 25c; doz., \$2.50; 100, \$15.00.

Miss Lassberg. (T. 2.) The purest snow-white in cultivation. Extra fine. Each, 20c; doz., \$2.00; 100, \$12.00.

G. A. Strohlein. (M. 2.) Glowing orange-scarlet with blood-red eye. Immense heads. Each, 25c; doz., \$2.50.

General Heutz. (T 2.) Brilliant salmon-red with white center. Very large heads; free bloomer. Each, 20c; dozen, \$2.00.

Gloire de Maroc. Deep violet, with large crimson eye, almost a violet-blue. Large flowers in immense trusses. Each, 15c; doz., \$1.50; per 100, \$10.00.

Jeanne d'Arc. (T. 3.) Fine pure white. A fine late flowering variety. Each, 20c; doz., \$2.00; per 100, \$12.00.

‡**Maculata Alpha.** (Suffruticosa.) Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. Each, 15c; doz., \$1.50; 100, \$10.00.

Miss Lingard. (T. 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer, good for cut flowers. Each, 20c; doz. \$2.00; per 100, \$12.00.

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers. Each, 15c; doz., \$1.50; per 100, \$10.00.

Pantheon. (T. 2.) Deep salmon rose. Each, 20c; doz., \$2.00; 100, \$12.00.

Rhynstrom. Beautiful rosy-pink color not unlike that of Paul Neyron rose. A good strong grower and very free-flowering. Each, 20c; doz., \$2.00; 100, \$12.00.

Selma. (T 2.) Large pink trusses with red eye. Each, 25c; dozen, \$2.50.

Tapis Blanc. (D. 1.) Pure white; immense heads. Each, 20c; doz., \$2.00.

Widar. (M. 2.) A much admired violet blue with white eye; a rich colored form of Antonin Mercie. Each, 25c; doz. \$2.50.

MIXED.—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. Each, 15c; doz.; \$1.25; per 100, \$8.00; by express only.

SPECIAL OFFER NO. 104A.—One each of 10 varieties, our selection from above. All distinctly labelled for \$1.50 by express, not prepaid.

SPECIAL OFFER NO. 104B. One each of 6 varieties (six plants), our selection, Distinctly labeled for 90c postpaid.

SPECIAL OFFER NO. 104C. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for 85c postpaid.

The Phloxes marked (‡) are useful for planting as borders or for carpeting with Late-flowering Tulips.

Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

‡**Amoena Rosa.** Bright pink flowers in May and June. Height 6 ins. Each, 20c; dozen, \$2.00.

Pilosa Splendens. From 12 to 15 inches high producing great masses of brilliant rosy-carmine flowers. It blooms at the same time as Phlox Divaricata making a splendid companion to it. A very effective sort. Each, 25c; dozen, \$2.50.

‡**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height, 4 in. Each, 15c; doz., \$1.50; per 100, \$10.00

‡**Subulata Rosea.** Same as above but with dainty pink flowers. This and Alba are fine for graves. Each, 15c; doz., \$1.50; per 100, \$10.00.

Phlox Arendsi

Flowers in May, height 12 to 14 inches, excellent for perennial borders and shrubberies. Continues long in bloom.

Amanda. 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder. Each, 25c; dozen, \$2.50.

Luise. Height, about 24 in. Color of flower, pale lilac with carmine eye. Price, each, 25c; doz., \$2.50.



ELIZABETH CAMPBELL

Perennial Flower Seeds and Plants

- 5434 **SCABIOSA Caucasica** (Pincushion Flower). 3 ft. Large pale mauve flowers on long stems; fine for cutting. *Plants, each 20c; doz., \$2.00* Pkt. 15c
- 5435 —**Alba**. Flowers white, very beautiful. *Plants, each 20c; doz., \$2.00* Pkt. 15c
- 5436 —**Japonica**. 2ft. Lavender blue flowers. $\frac{1}{8}$ -oz., 40c Pkt. 10c
- SEDUM (Stonecrop).**
Charming plants, great diversity of character, much used for edgings, carpet bedding and on rockeries.
- Acre**. 3 in. May-June. Common yellow stonecrop. *Plants, each 20c; doz., \$2.00.*
 - Brilliant**. 6 in. Bright scarlet. *Plants, each 20c; doz., \$2.00; 100, \$12.00.*
 - Spectabile**. 15 in. Aug.-Sept. Robust fleshy-gray foliage with dense flat heads of rosy pink flowers. *Plants, each 20c; doz., \$2.00; 100, \$12.00.*
 - Latifolium Atropurpureum**. Deep rosy crimson shade. *Each 20c; doz., \$2.00.*
 - Rubrum**. 15 in. Dark carmine rose flowers. *Plants, each 20c; doz., \$2.00.*
 - Variiegatum**. Pale flowers, leaves bordered with gold margin. *Plants, each 25c*
- SILENE (Catchfly).** July-Oct.
Useful plants for front row of Herbaceous border, bearing quantities of bright flowers.
- 5439 —**Orientalis**. 8 in. Handsome rosy pink flowers Pkt. 10c
 - 5440 —**Schafta**. 4 in. July-Oct. Bright rose one of the best Autumn border plants. Pkt. 15c
- SOLIDAGO (Golden Rod)** American National Flower.
- 5442 —**Canadensis**. 3 ft. Gracefully arched sprays of golden yellow flowers. *Plants, each 20c; doz., \$2.00; 100, \$12.00.* Pkt. 10c
 - Golden Wing**. 2½ ft. Immense heads of pure golden yellow. *Each 50c; doz., \$5.00.*
- SPIRAEA (Goat's Beard or Meadow Sweet).** June-July.
- Filipendula fl. pl. (Double Dropwort)**. 2 ft. Dwarf cushions of fern-like foliage, with corymbs of double white flowers, useful for cutting. *Plants, each 25c; doz., \$2.50.*
 - Lobata Venusta**. 4 ft. deep pink. *Plants, each 25c; doz., \$2.50.*
- 5443 **STACHYS Lanata**. Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed. Pkt. 10c
- STATICE (Sea Lavender).**
Large spreading panicles of light, graceful flowers, much prized for winter decoration, dried.
- 5444 —**Latifolia**. 2 ft. Dense branching plumes of deep blue flowers. *Plants, each 20c; doz., \$2.00; 100, \$12.00. $\frac{1}{4}$ oz., 40c* Pkt. 10c
 - 5445 —**Tartarica**. Small white flowers. This is the best variety for dyeing in colors. Pkt. 10c
- 5446 **STOKESIA Cyanea (Stokes' Aster)**. 18 in. July-Oct. Flowers rich blue, like a giant cornflower, very distinct. *Plants, each 20c; doz., \$2.00; $\frac{1}{8}$ -oz., 25c* Pkt. 10c
- 5447 —**Alba**. The white companion of the preceding. *Plants, each 20c; doz., \$2.00.* Pkt. 10c
 - 5448 —**Mixed** Pkt. 10c
- SWEET WILLIAM**—See *Dianthus Barbatus*.
- TARRAGON, True German**. Used for cooking purposes. Large clumps. *Plants, each 25c; doz., \$2.50.* (This variety does not produce seed).
- THALICTRUM (Meadow Rue.)**
- 5449 —**Adiantifolium**. 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. *Plants, each 20c; doz., \$2.00* Pkt. 10c
 - Aquilegifolium Album**. Showy feathery plumes of white flowers, graceful fernlike foliage. *Plants, each 25c; doz., \$2.50.*
- 5450 —**Dipterocarpum (New)**. 4-5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. One of the most graceful and decorative plants in our whole list. *Plants, 35c.* Pkt. 25c
- 5453 **THYMUS Vulgaris (Common Thyme)**. For seasoning. *Plants, each 15c; doz., \$1.50; 100, \$10.00.* Pkt. 5c
- TRILLIUM Grandiflorum (Wake Robin)**. 12 in. May-June. Large snowy-white flowers; one of the best of our native plants. *Plants, each 10c; doz., 85c; 100, \$6.00.*
- TRITOMA (Torch Lily, Flame Flower, Red Hot Poker)**
Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.
- Pfitzeri (Everblooming Flame Flower)**. 3 ft. Aug.-Nov. Bright orange scarlet. *Plants, each 25c; doz., \$2.50; 100, \$18.00.*
- 5454 —**Uvaria Grandiflora**. 4 ft. Aug.-Nov. The ordinary red Tritoma. Pkt. 10c
- VALERIANA (Garden Heliotrope).**
- 5456 —**Officinalis**. 3 ft. June-July. Large trusses of pale pink flowers. *Plants, 20c; doz., \$2.00.*
 - 5457 —**Rubra**. 2 ft. Sweet scented red flowers. *Plants, each 20c; doz., \$2.00* Pkt. 10c
 - Alba**. Pure white flowers. Pkt. 10c
- VERONICA (Speedwell).**
- Longifolia Subsessilis**. 2 ft. Aug. One of the finest Autumn blue flowers, handsome heads of rich violet blue. *Plants, each 20c; doz., \$2.00.*
- 5460 —**Spicata**. 2 ft. July-Aug. Small spikes of rich blue flowers. *Plants, each 20c; doz., \$2.00* Pkt. 10c
- 5461 —**Perennial Varieties Mixed** Pkt. 10c
- VINCA (Periwinkle, Green Myrtle)**. 4 in. June.
Valuable for rockeries or makes a grand evergreen carpet under and about shrubs and trees.
- Minor (Grave Myrtle)** Green foliage, large blue flowers. *Plants, each 20c; doz., \$2.00.*
 - Argentea Variegata**. Silver variegated foliage and blue flowers, much used for baskets and porch boxes. *Plants, each 25c; doz., \$2.50.*
- VIOLA Cornuta (Tufted Pansies)**. 3-6 in.
- Cuculata**. A pretty little bright blue hooded viola, splendid for naturalizing or edging perennial borders. *Plants, each 10c; doz., \$1.00.*
- VIOLET (Viola Odorata)**. 6 in. May-June. The true, hardy, double deep purple English Violet. *Plants, each 20c; doz., \$2.00.*
- 5471 —**Single Violet**. Deep blue. Pkt. 10c
- 5472 **YUCCA Filamentosa (Adam's Needle)**. 5 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, while the sword-like foliage. *Plants, 2 yr., 25c; doz., \$2.50; 3 yr. each 35c; doz., \$3.50. 100, 2 yr., \$12.00; 3 yr., \$20.00.*



SCABIOSA CAUCASICA



STATICE LATIFOLIA



SEDUM SPECTABILE

When ordering—If SEEDS, use numbers; if PLANTS, give names, using separate order sheet



CALADIUM ESCULENTUM

AMARYLLIS

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. (Cultural leaflet free on request.)

VAUGHAN'S NEW HYBRIDS

One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose stock we have purchased out and out. Flowers are immense, borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains.

Price, Large, 3-inch Bulbs, each, 60c; doz., \$6.00; 25 for \$10.00, both prepaid.

BELLADONNA MAJOR. Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high.

Price, each, 35c; per dozen, \$3.50; per 100, \$25.00, (exp.)

FORMOSISSIMA. Brilliant deep scarlet.

Price, each, 15c; doz., \$1.50; per 100, \$10.00, (exp.)

APIOS TUBEROSA Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria; are very fragrant and of a deep purple color.

Price, each, 6c; per doz., 60c; postpaid; 100, \$3.50 (exp.)

CALLAS *Elliotiana* (Golden Yellow Calla). The most sensational advance in Calla Lily flowers this century. A good bloomer, very distinct.

You will be delighted with its wonderful flowers and rare coloring; leaves green, spotted white.

Large bulbs, each 35c; doz. \$3.50; per 100, \$25.00.

Medium bulbs, each, 30c; doz. \$3.00; per 100, \$20.00.

Spotted Leaf. Flowers are white with glossy, dark, rich green foliage marked and dotted with numerous white spots.

Price, each, 10c; doz., \$1.00; per 100, \$6.50. Weight, per dozen, packed, 1 lb.

CHLIDANTHUS FRAGRANS Of free flowering habit,

with beautiful lemon flowers; very fragrant. Each, 10c; doz, 75c. Prepaid.

CINNAMON VINE Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.

Large Roots, each, 10c; 3 for 25c; doz. \$1.00, postpaid; per 100, \$6.50; By express.

TUBEROSES

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier.

EXCELSIOR DWARF PEARL Our Excelsior Dwarf Pearl is a special selection, made for many years of the most dwarf double and full flowered spikes, and is exceptionally sturdy and dwarf in habit; the highest type of all.

FIRST SIZE BULBS. Price, each, 10c; doz., \$1.00, postpaid; per 100, \$7.00, by express.

SECOND SIZE BULBS. Often sold by "bargain-stores" under the name "first-class."

Each, 6c; doz., 60c, postpaid; per 100, \$4.00, by express.

ARMSTRONG'S EVER-BLOOMING. This variety blooms year after year and has a fragrance similar to the "Jasmine." Price, each, 7c; doz., 65c, postpaid; per 100, \$4.00, by express.

SILVER-LEAVED. This is an early single kind, with striped leaves, making a grand show with its striking foliage. Price, each, 7c; doz., 65c, postpaid; per 100, \$4.00, by express.

ALBINO. Branching single variety, early bloomer. Price, each, 7c; doz., 65c, postpaid; per 100, \$4. Exp.

MEXICAN TUBEROSE These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single, delightfully fragrant. They withstand all kinds of wind and weather except hard frosts, commence to bloom in May and are a mass of white until frosted.

Price, each, 10c; doz., \$1.00, postpaid; per 100, \$6.00, by express.

"BY EXPRESS" signifies purchaser pays express charges or remits postage at 5 cents per pound. See inside front cover.

Summer Flower Bulbs

Why
 Vaughan's
 Bulbs
 are
 Popular

These roots are matured so their flowering is certain. They often succeed when seedlings and tender plants fail.

Our popular Cannas have made Chicago Parks flower beds famous. Our Caladiums make a tropical display.

Vaughan's Gladioli are seen in midsummer in thousands of vase displays, hotels, restaurants and private homes. Select our named kinds or mixtures for your garden and you will astonish your guests at every dinner party from July to October.

Price given for single bulb and certain dozen prices includes prepayment. Other quantities are not prepaid free unless so marked. See front inside cover page for exact particulars. (Word "Exp." means sent at buyer's expense.)

CALADIUM Esculentum (Elephant's Ear)

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. (For started plants, May 20, add 5 cents per plant to these prices.)

FIRST SIZE BULBS. 5 to 7 in. circumference.

Price, each, 8c; by express, doz., 75c; per 100, \$5.00.

SELECT SIZE BULBS. 7 to 9 in. circumference.

Price, each, 12c; by express; doz., \$1.00; per 100, \$7.00.

EXTRA LARGE BULBS. 9 to 11 in. circumference.

Price, each, 20c; by express; doz., \$1.75; per 100, \$12.00.

MAMMOTH SIZE. 12 in. and up circumference.

Price, each, 30c; by express; doz., \$3.00; per 100, \$20.00.

Mailing weights each size per dozen bulbs as follows: First 4 lbs., Select 6 lbs., Extra 10 lbs., Mammoth 17 lbs.

HYACINTHUS CANDICANS (Summer Hyacinth). Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, four feet high.

Price, each, 10c; doz., 75c, postpaid; by express, 100 for \$5.00.

IPOMOEA PANICULATA (Mexican Morning Glory.)

Introduced and at present supplied only by us. The vine grows 25 feet long, and the leaves are 10 inches apart, with a cluster of pinkish lavender flowers at each leaf. Store roots, same as Dahlias.

First Size. Price, each, 30c; doz., \$3.00 (exp.)

Extra Size. Price, each, 45c; doz., \$4.00 (exp.)

ISMENE CALATHINA Flowers are pure white, borne

three or four on a stem, and are very fragrant. Not hardy. Treat bulb same as Gladiolus.

Price, each, 12c; doz., \$1.25 prepaid; per 100, \$8.00 (exp.)

MADEIRA VINE One of the best and most popular climbers for foliage effect.

Price, each 10c; doz. 75c, postpaid; per 100 \$5.00, (exp.)

OXALIS (Summer Flowering). These useful little plants

are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. Colors, White, Red, Pink. Price, either color, doz., 20c; per 75c, postpaid; per 1,000, \$6.00 (exp.)

ZEPHYRANTHUS One of the prettiest and most easily grown

bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as Gladiolus.

CANDIDA. Pure white and the most profuse bloomer of all.

Price, each, 10c; doz., 90c, postpaid; 100, \$6.00; (exp.)

ROSEA. Beautiful clear rose; flowers large and very handsome; blooms all summer.

Each, 15c; doz., \$1.50, postpaid; per 100, \$10.00 (exp.)



MEXICAN TUBEROSE



OUR Trade-Mark



TUBEROSE—EXCELSIOR PEARL

VAUGHAN'S GLADIOLI

Plant Gladiolus—
they bloom for
everybody.

Grown on our Farms
Free from disease.

GLADIOLUS are the most attractive and useful for cut flowers of all the summer-flowering bulbs. The earliest kinds begin flowering in July and they continue in bloom until October. Their sturdy growth is assured from the time they are put in the ground because of the stored-up strength in the bulbs when planted. Grown on our own Farms in alluvial soil by adding especially prepared fertilizer we produce best possible bulbs.

This flower has increased in popularity wonderfully during 1918. We distributed last spring over one million bulbs with great satisfaction. Our collection consists of the finest types of French, Dutch and American hybrids. Our counter displays in August and September attract much favorable attention at which time many buyers make selections. We also display at many Garden Club Shows.

A succession of bloom may be had from July to October by making plantings from April to June, ten days apart. Planting directions given FREE on request. (Sorts marked * our introduction).

Our prepaid prices are very reasonable, having lowest zone rates radiating from our New York and Chicago order filling departments.

We field in third zone and below a radius of three hundred miles on every side of both cities.

FIELD MARSHAL HAIG (1918)

A very attractive shade of light salmon-pink with ox-blood-red blotches. Medium in season, flowering in about 85 days from planting. Habit erect, with a good well opened flower spike with often eight to ten flowers showing at one time at its prime. The ruffled edges put the variety in the desirable novelty class in form as well as color. This variety does well in a cool or moist soil.

Price, each \$1.00; per doz., \$10.00.

*OWOSSO (1918)

Yellow—one of our 1917 seedlings; of vigorous growth, healthy and prolific. Flower above medium size, straw yellow, deepened to golden yellow on lower petal. A distinctive feature is the carmine fleck towards the base of the petals. The stamens being very light, the effect of the flower is a very pleasing soft yellow.

Price, each 50c; doz., \$5.00.

*MRS. W. S. BREWSTER

A new Nanceian seedling, and one of the best of this fine type. The color is white, overlaid bluish, blotched brilliant red with a creamy halo; the whole forming a most pleasing blend entirely distinct and unique. The flowers are large, produced in a double row with six open at a time all facing one way in a shapely compact spike. It is an early flower, 4 feet. Good keeper.

Price, each 20c; doz. \$2.00; 100 \$15.00.



MRS. FRANK PENDLETON

*PRIMULINUS "SUNBEAM"

One of the first varieties of Primulinus blood in America to receive a name. This variety, which we introduced in 1914 for the first time, is a cross of select yellows from the Primulinus Mixture, with the variety Sulphur King. The graceful form of all of the Primulinus type insures their popularity in our best Decorative Class. It has a clear yellow color and is a strong grower.

Price, each 15c; doz. \$1.50; 100 \$8.00.

*OVID (1918)

A rich velvety crimson-lake, intensified by darker streaks distributed unevenly over the petals. Flowers are of good size, well opened and well placed. The spikes are strong and vigorous, often producing side spikes, which add greatly to their attractiveness.

A 1917 seedling from our Michigan Farm.

Price, each 50c; doz., \$5.00.

MRS. FRANK PENDLETON

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The blooms are wide open and are arranged individually on the very slender but wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. Each, 12c; doz. \$1.25; 100 \$7.00.

AUTUMN QUEEN.—The best Autumn Gladiolus. Color cream yellow, upper petals suffused with peach blossom pink; lower petals striped carmine red. When planted late, opens full and wide late in the fall. Price, each 15c; per doz. \$1.50; per 100 \$10.00.

***ALICE MARTIN.**—Grand stalk nearly 5 ft. tall with very large flower spike. Color is white suffused with purple lilac. Price, each \$1.00.

BLEUAIRE.—Lilac blue, with carmine blotch on lower petals. Price, each 15c; per doz. \$1.50.

BOUQUET d'OR.—Cream yellow suffused pink with deep cherry red, yellow blotch. Each 25c; doz. \$2.50.

***CHAS. L. HUTCHINSON.**—The color of the flowers is a rich blood red, the middle rib of each petal being a shade deeper with a velvety lustre. Free flowering. Price, each 75c; per doz. \$8.00.

***CHICAGO SALMON (New).**—Clear salmon, light buff and carmine marking in throat. Very fine. Price, each 12c; doz. \$1.25; per 100 \$7.00.

EPICURE.—Enormous flowers, white slightly streaked lilac. Price, each 35c; per doz. \$3.50.

GIANT WHITE.—A very large flower, white with slight veining in lower petals. Each 35c; doz., \$3.50.

INCONTESTABLE.—Pure white. Throat and lower petals deeply blotched cardinal red; very elegant flower. A variety that should be in all Gladiolus lovers' collection. Price, each \$1.00.

KOENIGIN WILHELMINA.—Clear salmon pink, cherry red blotch, edged white. Each 20c; doz. \$2.00.

L'INNOCENCE.—Delicate bluish suffused rose, yellow blotch with faint carmine stripes. Each 40c; doz. \$4.00.

MRS. W. E. FRYER.—Bright scarlet. Price, each 25c; doz. \$2.00.

MENTOR.—Slate color with a rosy hue, red blotch on white ground. Price, each 35c; doz. \$3.50.

***MARY BLACKMAN.**—Flowers salmony red; feathered and penciled with carmine. Price, each, 15c; doz. \$1.50; 100 \$8.00.

***MARGARET.**—A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight and strong. Each 15c; doz. \$1.50; per 100 \$10.00.

MERCEDES.—Carmine rose and pale rosy-white; red blotch. Price, each 35c; doz. \$3.50.

MYRTLE.—Tender and delicate rose pink. "The most beautiful pink yet produced in Gladiolus." Brings highest price of any variety in the Chicago market. Price, each 15c; per doz. \$1.50; per 100 \$10.00.

NIAGARA.—A delightful cream shade blending to canary yellow, splashed with carmine. Price, each 10c; per doz. \$1.00; per 100 \$7.00.

NEGERFURST.—Velvety red. Each 25c; doz. \$2.50.

ORANGE GLORY.—Bright orange with slight purple and white markings in throat. Each 40c; doz. \$4.00.

PANAMA.—A grand variety which evokes words of praise wherever exhibited. Color, rich salmon-pink. Price, each 10c; per doz. 90c; per 100 \$6.00.



FIELD MARSHAL HAIG

PRIMULINUS MAJOR HYBRIDUS.—The range of colors is very remarkable, from the purest and lightest of yellows down to the deepest orange and from the softest shade of salmon pink down to a rich crimson. On account of their slender and graceful habit, delicate colors and peculiar shape of the flowers we believe these new Hybrids will be appreciated for in-door decorations. Each 10c; doz. \$1.00; per 100. \$7.00.

RUBY KING.—Intense dark, ruby red. Price, each, 10c; per doz. \$1.00; per 100 \$7.00.

RUFFLED GLORY. With "Ruffled" Petals—Delicate pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide open, paired flowers, all face in the same direction and are carried on straight, stout 3½ feet stalks. Each petal is exquisitely ruffled. Price, each 15c; per doz. \$1.50; per 100 \$10.00.

SAFRANO.—Cream color, slightly veined lilac. Canary and carmine blotch; edges slightly frilled. Price, each 45c; doz. \$4.50.

SCHWABEN.—A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best of clear canary yellow, shading to a soft sulphury yellow when opening. Each 12c; doz. \$1.55; 100 \$7.00.



SNOW KING.—Pure white. Each 10c; doz. 90c.

SPHINX.—Very tall plant; long spike of pure lilac red flowers, with a small purplish-red blotch and a white band on the lower petals. Each 20c; doz. \$2.00.

SUNBURST.—Bright canary lightly edged with flames of carmine-rose. Price, each 35c; doz. \$3.50.

WHITE GLORY (Ruffled).—As tall and vigorous as Ruffled Glory, with darker foliage. The ground color is a clear solid white and the lower petals have a distinct Iris-blue marking of same form where Ruffled glory is marked with red. The general appearance is very Iris-like. An extraordinary striking variety. Very tall, vigorous and showy. Each 35c; doz. \$3.50.

RUFFLED COLLECTION. This is entirely new, offered for the first time by us. It represents four of Kunder's choice varieties of Ruffled Gladiolus. All Gladiolus growers should purchase this collection. Price, 1 bulb each, 4 kinds, \$1.50, postpaid.

	Victory Collection	Mrs. Francis King Europe Baron J. Hulot	
	Red, White and Blue	6 of each (18 bulbs.) \$1.25 Pre- 12 of each (36 bulbs.) \$2.25 paid	



MRS. WALTER S. BREWSTER

HYDE PARK

MARGARET

SCHWABEN

	Each	Doz.	100
ADMIRAL CERVERA. Slaty-rose, striped and edged violet, creamy-white blotch.	\$0.35	\$3.50	\$25.00
ALINE. Pure white, slightly striped crimson.	.15	1.50	10.00
AMERICA. Soft lavender pink.	.06	.60	3.25
AMERIQUE. Compact, well shaped spike with large, well expanded flowers, cinnabar-red, striped red-brown.	.25	2.50	18.00
ANNIE WIGMAN. Pale yellow, dark blotch.	.10	.75	5.00
ARISTOPHANES. Pure salmony-rose, white band in the center of each petal and straw-colored blotch.	.25	2.50	18.00
ASTARTE. Pale rosy lilac, streaked with rose.	.35	3.50	.....
ATTRACTION. Deep rich crimson, with large white center and throat.	.08	.60	3.50
AUGUSTA. Pure white, blue anthers.	.06	.60	3.25
BARON J. HULOT. Dark velvety purple.	.10	.75	5.00
BLANCHE. Pure white, with very faint markings.	.15	1.60	12.00
CANARY BIRD. Clear canary yellow.	.15	1.50	10.00
CANICULE. Clear scarlet red, creamy-white blotch on lower petals.	.25	2.50	18.00
CARDINAL. Clear intense scarlet.	.20	2.00	15.00
CARNATION. Fleahy-white tinged at the edges with carmine.	.15	1.60	12.00
CHICAGO RED, Brilliant scarlet, large, opens well.	.10	1.00	6.00
CHICAGO SALMON, Clear salmon with carmine throat.	.12	1.25	7.00
CHICAGO WHITE. White, lavender marking in throat.	.10	.75	4.00
CHRYSOLORA. Golden-yellow.	.25	1.25	8.00
COLUMBIA. Orange-scarlet, blotched and penciled with bluish purple.	.10	.75	4.00
CONTRAST. Large scarlet with white center.	.45	4.50	35.00
CRYSTAL WHITE. One of the best pure whites.	.15	1.60	12.00
CYNOSURE. Immense flowers of exquisite deep rose-pink, marked on the lower petals with a throat blotch of crimson-lake.	.45	4.50	.....
DAWN. Beautiful shell pink.	.30	2.75	20.00
DAZZLER. Magnificent large Princess-like flowers of vivid salmon-scarlet with throat blotch of red-orange on lower petals, further ornamented with carmine-lake flakes; fine long spikes well-filled.	.35	3.50	25.00
DESEMONE. Ashy-rose striped lilac; large dark red blotch, edged Ivory-white. Immense spike of double-row flowers well placed.	.20	2.00	15.00
DEUIL DE ST. PIERRE. Ashy-rose, striped and suffused with violet purplish-red blotch.	.45	4.50	.....
ELAINE. Bright cherry-red, slightly striped with creamy-white on lower petals.	.30	2.75	20.00
ELIZABETH KURZ. Pure white with faint marking.	.15	1.50	10.00
ENCHANTRESS. Blush white, slightly flaked with lake-pink toward the margins; throat encircled on the lower petals with carmine-lake blotch.	.25	2.50	.....
EUGENE SCRIBE. Tender rose, blazed carmine red.	.10	1.00	7.00
EUROPE. Pure white; best white we know.	.12	1.25	8.00
FASCINATOR. Splendid large flowers of salmony-pink tinted with flakes of carmine, throat bluish with carmine-lake pencillings, long spike, graceful.	.15	1.50	10.00
FERNANDO CORTEZ. Pale yellow, violet-red striped.	.30	2.75	20.00
FIRE KING. Long graceful spikes showing half a dozen immense blooms open at the same time. Color intense fire-scarlet. More brilliant than Branchleyensis or Cardinal. Is perfectly grand.	.10	1.50	10.00
FLAMBEAU. Immense flowers of vivid orange-scarlet with an effective throat blotch of white, shaded and marked with tyrian-lake on the lower petals.	.45	4.50	.....
FLORENCE. Bright lilac, white blotch on lower petals	.45	4.50	.....
FRED WIGMAN. Red, yellow throat.	.15	1.50	10.00

	Each	Doz.	100
GAIETY. Immense Amaryllis-like flower, four inches across, with broad, round petals or carmine-rose overlaid with glowing orange-sheen, a large white blotch ornaments each of the three lower petals.	\$0.45	\$4.50	\$.....
GERALDA. Flowers of bright deep rose with conspicuous white ribs and throat; forming a graceful spike.	.20	2.00	15.00
GLEAM, bright cherry-rose slightly lined with carmine-lake at the throat on lower petals, well filled spikes.	.30	2.75	20.00
GLORY OF HOLLAND. Pure white.	.15	1.50	10.00
GLORY OF BRIGHTWOOD. Scarlet, lemon throat.	.10	1.00	6.00
GORGEIOUS. Vivid scarlet, with large, strongly contrasting, silvery white throat blotch on three lower petals.	.20	2.00	15.00
GRAND CONDE. Salmony-rose striped with violet-red, white blotches.	.30	2.75	20.00
HALLEY. Salmon pink, very early.	.10	1.00	6.00
HERADA. Blooms of immense size on tall straight spikes. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. A very attractive color.	.45	4.50	.....
HYDE PARK. Frosty sparkling white, penciled and feathered with light and dark rose, but the lower petals are much more distinctly blotched with cream.	.10	1.00	7.00
IRENE. Pink, flaked with crimson.	.15	1.50	10.00
IRIS. Soft lavender with white throat spotted faintly with carmine.	1.00	.....	.....
ISAAC BUCHANAN. Very fine yellow.	.12	1.25	8.00
JEAN BART. Bright crimson-red, ivory white blotch.	.20	2.00	15.00
JESSIE. Rich velvety red.	.10	1.00	7.00
KLONDYKE. Light yellow, with crimson.	.10	.90	6.00
LA COMETE. Violet-lilac, with stripes of a paler shade, white blotch.	.35	3.50	.....
LA FRANCE. Soft, pale lilac, with a pure white blotch	.45	4.50	.....
LA LORAIN. Bright salmony-red, blotch dark purplish red.	.20	2.00	15.00
LESLIE. Light delicate pink with rich crimson-maroon blotches pointed white.	.20	2.00	15.00
LIEBESFEUR. Brilliant scarlet.	.20	2.00	15.00
LUSTROUS. Large flowers of lovely orange-rose; lower petals have a large throat blotch of yellow, slightly shot with purplish-lake.	.20	2.00	15.00
LUTIN. Cherry red with deep crimson blotch.	.20	2.00	15.00
MADAME BRUNELET. Rosy lilac and carmine.	.35	3.50	.....
MADAME MONNERET. Delicate rose.	.08	.75	5.00
MADAME P. PALMER. Rose suffused with carmine, blotch cream colored, edged cherry-red.	.35	3.50	.....
MADRILENE. Bright salmony rose, with carmine blotch.	.45	4.50	.....
MARECHAL FABERT. Large flower, satiny-rose marbled carmine-red; the lower petals penciled raspberry-red on a straw-colored ground. Early flowering variety	.45	4.50	.....
MARIE THERESE. White with a few rosy stripes.	.15	1.50	10.00
MAY. Pure white flaked rosy crimson.	.08	.75	5.00
MELROSE. White flaked pink, bright-crimson center.	.15	1.50	10.00
MEPHISTO. Coppery scarlet.	.25	2.50	18.00
MRS. BEECHER. Deep rosy crimson, throat pure white.	.10	1.00	7.00
MRS. FRANCIS KING. Brilliant vermilion scarlet. Most popular and effective variety for all occasions.	.06	.60	3.25
Large Bulbs.	.....	.40	2.50
Medium Bulbs.	.....	.....	.....



"RUFFLED" GLORY



CHAS. L. HUTCHINSON



EUROPE



ALICE MARTIN

GLADIOLUS IN COLORS

	Doz.	100	1000
Blue shades	\$1.00	\$6.00	\$55.00
Lilac and Violet	2.00	15.00	....
Mouse Colored	2.75	20.00	....
Pink	.50	3.00	25.00
Pink and White	.60	4.50	35.00
Scarlet and Red	.40	2.25	20.00
Scarlet with White Throat	.60	4.00	30.00
Striped Shades	.60	4.00	30.00
White and Light Shades	.40	2.50	20.00
Yellow Shades	.75	5.00	40.00

VAUGHAN'S RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including Childsii kinds with several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up, and we believe unexcelled by that offered by any American firm.

Price, doz., 60c, postpaid; by exp., 50 for \$2.25; 100 for \$4.00; 250 for \$8.00; per 1000, \$30.00.

GIANT "CHILDSII FINE"

This mixture contains a very complete range of all the splendid Childsii varieties. Included in this are many Childsii seedlings not yet named.

Doz., 50c, postpaid; by exp., 50 for \$1.75; 100 for \$3.50; per 1000, \$30.00.

EXTRA FINE MIXED

This splendid mixture is grown for us by Gladiolus specialists each year, and besides the mixture as originally grown many choice new kinds, including some Childsii, are added to the stock before sending it out to our customers. This insures a wide range of colors, shades and types.

Doz., 50c, postpaid; by exp., 50 for \$1.65; 100 for \$2.85; per 1000, \$22.50.

VAUGHAN'S SEEDLINGS

We make up this assortment from unnamed seedlings of our own and from several Gladiolus specialists. The mixture contains excellent values.

Price, doz., 40c, postpaid; by exp., 50 for \$1.25; 100 for \$2.00; 250 for \$4.00; per 1000, \$15.00.

VAUGHAN'S SPECIAL BLUE MIXED

This mixture contains blue, slate, lavender and purple shades of choice varieties. Price, each, 15c; 3 for 35c; doz., \$1.25; per 100, \$8.00.

VAUGHAN'S STANDARD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in ordinary mixtures offered by us, and we do not intend to send out any mixtures, even of our cheapest, that will not make a brilliant showing in the gardens of our customers. This one, our cheapest, which we call "STANDARD MIXED," will be found satisfactory everywhere excepting in the flower bed of the most critical. They are useful for mixed beds, borders and where large masses are planted.

Price, doz., 35c, postpaid; by express, 50 for \$1.25; 100 for \$2.00; 250 for \$4.25; 500 for \$8.00; per 1000, \$15.00.

HOMWOOD MIXTURE

This is a fine grade of bulbs, about one inch in diameter, all blooming size, selected from some of the choice kinds we grow in large quantities on our farms. They will give as large a spike as a fully matured bulb, but as they do not come up to the specified size for our regular trade, we make this special offer to those who want a moderately priced grade of some of the choicest kinds. The best pinks, whites, reds, and many odd and pleasing shades are included.

Price, prepaid, 60 bulbs for \$1.00; by express, at purchaser's expense, 250 for \$3.00; 500 for \$5.00.



Gladioli by Parcel Post
If to be sent by this means,
reckon postage at rate of 5
lbs. per 100 bulbs.

	Each	Doz.	100
MRS. F. M. LUPTON. A distinct light rose, equal to Panama or America. Large, well-spreading flower and long perfect spike	\$0.35	\$3.50	....
MOHONK. Dark pink, spotted throat	.10	1.00	\$ 6.00
MONT CENIS. Fine white, full spike, strong grower	.30	2.75	20.00
MORNING STAR. White with crimson throat	.10	1.00	7.00
NEWPORT. Salmon-rose, exceedingly soft and pleasing, with large white center and good spike. Certificate of Merit at Newport	.40	4.00	....
NEZINSCOTT. Bright blood scarlet with deep velvety crimson-black blotch and white mottlings	.15	1.50	10.00
PEACE. A grand white flower, very large, with pale violet feathering on lower petals; flowers correctly placed on a tall graceful spike. Should be planted early	.10	1.00	7.00
PHLEGETON. Dazzling scarlet-red, violet-red blotch on lower petals	.30	2.75	20.00
PINK BEAUTY. Rose pink with dark crimson blotch	.10	1.00	6.00
PINK PERFECTION. Delicate apple blossom pink	.15	1.60	12.00
PRINCEPS. Brilliant scarlet crimson, carrying mostly three white blotches on lower petals	.10	1.00	7.00
PRIMULINUS (Kunderd's).			
Alice Tiplady. Orange saffron	.35	3.50	....
Anita. Canary yellow	.20	2.00	....
Angola. Salmon pink	.15	1.50	....
North Star. Deep yellow	.20	2.00	....
Regulus. Orange salmon, with delicate yellow	.20	2.00	....
Sweet Orra. Pale sulphur	.15	1.50	....
ROSY SPRAY. White, beautifully sprayed rose	.10	.90	6.00
SCRIBE. Tender rose, tinted white, striped carmine	.10	.90	6.00
SHAKESPEARE. Blush white, with large rosy blotch	.10	.90	6.00
SILVERETTA. Blush white with carmine blotch on yellow ground	.35	3.50	25.00
SOPHOCLES. Fine fiery red, blotch of a velvety garnet-red with white stripes	.35	3.50	25.00
SOUTHAMPTON. An immense spike of large flowers. Color a soft orange-rose, sometimes slightly flaked. White bars and light yellow throat. This is quite a distinct and most pleasing color, and a splendid flower in every way	.40	4.00	....
SULPHUR KING. Clear sulphur yellow	.20	2.00	15.00
SUPERB. Pink, flaked and striped with salmon pink	.10	.90	6.00
VELVET KING. Dark scarlet, similar to Brenchleyensis	.10	1.00	7.00
VIOLA. A very large Lemoine type flower of exquisite mauve-blue, gradually shading to rich violet at the edges; throat toned canary with purple-garnet	.20	2.00	15.00
WAR. Deep blood-red, shaded crimson-black	.15	1.50	10.00
WILLY WIGMAN. Creamy white, scarlet blotch	.10	1.00	7.00
WILD ROSE. Delicate rose	.12	1.25	8.00
WINSOME. Great round flowers of exquisite blush, shot and shaded with carmine pink. A conspicuous throat blotch of crimson-lake	.20	2.00	15.00
WHITE KING. Rich sulphur white	.10	1.00	7.00

SPECIAL OFFER No. 600B. Two each of the following six varieties sent by mail, postpaid, for 75c: Mrs. Francis King, Princeps, Chicago White, Canary Bird, Baron J. Hulot, Shakespeare.

SPECIAL OFFER No. 500B. Two each of the following six varieties sent by mail, postpaid, 50c: Augusta, Brenchleyensis, America, Klondyke, Morning Star, Mad. Monneret.



Bedding Plants For Beds, Porches and Window Boxes

THESE plants, from our own greenhouses, are carefully grown and thoroughly hardened off before sending out. We pack carefully, and prefer to send by express, as they travel and arrive in better condition. If wanted by Parcel Post, send extra money as follows, for postage:
 5c per plant; 10c for three; 20c per dozen.

Unless marked otherwise the first size offered below of each, has been grown in a 2-inch or 2½-inch pot.

Note.—These plants are ready May 1st, and should not be planted out of doors earlier than that in the latitude of Chicago or New York.

AGERATUM, Little Blue Star. Intense blue. 6 to 8 inch. For borders.	Each	Doz.	100
From 3 inch pots.	\$0.10	\$1.00	\$7.00
From 4 inch pots. . . . .	.15	1.50	10.00
ALTERNANTHERA. For carpet bedding and edges.			
Aurea Nana. Green and yellow, 6 inch. . . . .	.10	1.00	7.00
Brilliantissima. Broad bright red foliage. . . . .	.10	1.00	7.00
ALYSSUM, Vaughan's Little Gem. The best pure white dwarf Alyssum. Height of plant 5 inches. . . . .	.10	.85	6.00
AMARYLLIS, Giant Hybrids. Large flowers, magnificent colorings: see also Bulb pages. Dormant 3 inch bulbs.	1.00	10.00	...
ANTIRRHINUM (Snapdragon), Vaughan's Select Tall Strain. Pink, red, white, yellow or mixed. 2 inch pots. . . . .	.10	.85	6.00
ASTERS, Vaughan's Giant Branching. Lavender, red, rose, pink, shell-pink, purple, white, mixed. Transplanted. From 2½ inch pots. . . . .	.05	.50	3.00
From 2½ inch pots. . . . .	.10	.85	6.00
BEGONIA, Gloire de Chatelaine. Silvery pink, compact habit, strong, vigorous grower. . . . .	.15	1.25	8.00
From 3 inch pots. . . . .	.25	2.50	20.00
Luminosa. Bright scarlet. Red foliage. . . . .	.15	1.25	8.00
BROWALLIA SPECIOSA MAJOR. A beautiful variety of the most brilliant ultamarine blue. . . . .	.10	.85	6.00
CALADIUM Esculentum. (Elephant's Ear.) Started plants, 5 inch pots. . . . .	.50	5.00	30.00
Started plants, 6 inch pots. . . . .	.75	7.50	...
Fancy Leaved. (See House Plants.)			
CASTOR OIL BEAN PLANT. (Ricinus) Green or Red. For tropical foliage beds. . . . .	.10	1.00	.700
From 4 inch pots. . . . .	.25	2.50	15.00
CENTAUREA Gymnocarpa. (Dusty Miller). The gray fern like leaves make effective contrast border between green lawn and brilliant plants in beds. Grows 10 inches high. . . . .	.10	1.00	6.00
CHINESE WOLFFLOWER. Crimson feathery heads. . . . .	.10	1.00	6.00
COLEUS, Defiance. . . . . .	.10	1.00	7.00
Golden Bedder. Large yellow leaves, 12 to 14 inch. . . . .	.10	1.00	7.00
Verschaffeltii. Dark crimson leaves, 12 to 14 inch. . . . .	.10	1.00	7.00
Beck's Gem. A fine combination of gold and crimson maroon. . . . .	.10	1.00	7.00
COSMOS, Early Flowering. Crimson, pink, white or mixed. Fine for cut-flowers. . . . .	.10	.85	6.00
Lady Lennox. Late, shell pink. Large flowers. . . . .	.10	.85	6.00
Late Giant Flowering. Crimson, pink, white or mixed. . . . .	.10	.85	6.00
DAISY (Bellis Perennis.) See Perennials.			
DRACAENA Indivisa. Long green leaves; 3 inch pots. . . . .	.25	2.50	...
From 4 inch pots. . . . .	.50	4.50	...
Larger plants, each 50c, 75c and \$1.00.			
FEVERFEW. Double White "Little Gem." . . . . .	.10	1.00	7.00

FUCHSIAS Easy of culture in partly shaded location. Effective out-doors either in beds, pots, boxes or vases.

Black Prince. Bright, waxy carmine; large, pink corolla.			
Elm City. Sepals a rich crimson; corolla deep purple and very double.			
Phenomenal. Enormous, sepals scarlet, violet-purple corolla.			
Speciosa. Pale red tube and sepals; dark red corolla.			
Prices of above. . . . .	.15	1.50	...
From 4 inch pots. . . . .	.35	3.50	...

Prices given on application for filling Window Boxes, Hanging Baskets, etc., with Ferns, Palms, Shrubs and Flowering Plants

GERANIUMS, Green Leaved.			
Beaute Poitevine. A favorite semi-double pink.			
Lucifer. Double. Glowing scarlet, very large flower heads.			
La Favorite. The best double white.			
S. A. Nutt. Best dark crimson-scarlet bedder.		Each	Doz. 100
Prices of above.	\$0.15	\$1.25	\$ 8.00
From 3 inch pots. . . . .	.20	2.00	15.00
From 4 inch pots. . . . .	.25	2.75	20.00
Variiegated-leaved, Mme. Salleroi. Green and white leaves. Splendid for borders. . . . .	.15	1.50	...
Ivy-Leaved, Beauty of Jersey. Double pink.			
Joan of Arc. Only double white Ivy Geranium			
Quedlinburger. Large double crimson flowers.			
L'Etincelant. Double, glowing red.			
Souv. de Chas. Turner. Rosy pink, double.			
Victor Von Shirley. Semi-double flowers, rich glowing scarlet in large trusses; free bloomer.			
Prices of above, six kinds. . . . .	.15	1.25	8.00
From 3 inch pots. . . . .	.20	2.00	15.00
Pansy-Geranium, (Pelargonium).			
Easter Greeting. Large, bright amaranth red.			
Mrs. Loyal. A grand variety for house culture.			
Prices of two kinds named above. . . . .	.25	2.50	...
From 4 inch pots. . . . .	.35	3.50	...
HELIOTROPE, Centefleur. Dark purple. . . . .	.10	1.00	7.00
From 4 inch pots. . . . .	.20	2.00	15.00
Mammoth Mixed. . . . . .	.10	1.00	7.00
From 4 inch pots. . . . .	.20	2.00	15.00
LANTANA, Weeping. Valuable for window boxes. . . . .	.15	1.25	...
LOBELIA, Bedding Queen. Bright blue. . . . .	.10	.85	6.00
Sapphire. Long deep blue flowers, white eye. . . . .	.10	.85	6.00
MARGUERITE, Mrs. F. Sander. New white. . . . .	.15	1.25	8.00
From 4 inch pots. . . . .	.25	2.00	15.00
Etoile d'Or. Rich yellow. . . . .	.15	1.25	8.00
From 4 inch pots. . . . .	.25	2.50	15.00
PANSY, Vaughan's International Mixture. . . . . .	.75	5.00	...
Vaughan's Giant-Flowered. . . . . .	.60	4.00	...
PENNISSETUM Longistylum. Graceful white plumes. 12 to 18 inches. For borders of Cannas beds. . . . .	.10	.85	6.00
PENTSTEMON, Southgate Gem. Brilliant Scarlet. . . . .	.10	1.00	7.00
PETUNIA, Balcony Queen. Purple with white markings. . . . .	.10	.85	6.00
Rosy Morn. Rose with white markings. . . . .	.10	.85	6.00
Vaughan's Choicest Double.			
White, Pink, Variegated or Mixed. . . . .	.15	1.50	10.00
Single Fringed Mixed. . . . . .	.10	.85	6.00
PHLOX Drummondii. Pink, scarlet, white and mixed. . . . .	.10	.75	5.00
SALPIGLOSSIS. From Vaughan's Special Seed. . . . .	.10	.85	6.00
SALVIA Splendens (Scarlet Sage).			
Drooping Spikes. Plants grow 2½ ft. tall. . . . .	.10	1.00	7.00
From 4 inch pots. . . . .	.20	2.00	15.00
Fireball. Brilliant red. Plant, 18 inches high. . . . .	.10	1.00	7.00
From 4 inch pots. . . . .	.20	2.00	15.00
Globe of Fire. Brilliant scarlet. . . . .	.10	1.00	7.00
From 4 inch pots. . . . .	.20	2.00	15.00
VERBENA Hybrida. Mammoth pink, purple, scarlet, white or mixed. . . . .	.10	.85	6.00
Defiance. Brilliant scarlet. . . . .	.10	.85	6.00
Mayflower. Beautiful pink. . . . .	.10	.85	6.00
Lemon Scented. Delightful fragrance. . . . .	.15	1.50	...
VINCA ROSEA. (Periwinkle) . . . . .	.10	.85	6.00
Rosea Alba. . . . . .	.10	.85	6.00
ZINNIA, Vaughan's Colossal. White, Pink, Purple, Scarlet or Mixed. . . . .	.10	.75	5.00

House and Conservatory Plants

ASPARAGUS Plumosus and Sprengeri, 15c, 25c and 35c each.	
AUCUBA Japonica. Variegated laurel. Each, \$1.00 and \$2.00; in tubs, 50c extra.	
BOUGAINVILLEA Sanderiana. Crimson. Each, 25c.	
CALADIUM, Fancy-Leaved. Potted bulbs, ready in May. Wonderful coloring. From 3 inch pots, each, 35c; larger, 50c and \$1.00.	
CROTON, Richly colored foliage plants. 3 inch pot, each, 50c; larger, each, 75c; Specimens, \$1.00, \$1.50 and up.	
CYPERUS Alternifolius. Graceful warty or house plant. Each, 15c and 25c.	
DRACAENA Indivisa. Long pointed leaves. 3 inch pot, 25c; 4 inch pot, 50c.	
Green and Variegated-leaved. We have a splendid collection, well colored. From 4 inch, 75c; larger plants up to \$2.00 each.	
FERN, Boston. Splendid plants. Each, 20c, 25c, 50c to \$1.00.	
Holly Fern. A good houseplant. Each, 25c.	
Ostrich Plume. Feathered fronds, very graceful. Each, 20c, 50c, 75c, \$1.00.	
Maiden Hair. Nice plants. Each, 20c; doz., \$2.00.	
Bird's Nest Fern, (Nidus Avis). Very attractive, thick leaves. From 4 inch pots, each, 75c; larger sizes up to \$2.50.	
Small Ferns for Dishes. One each, 8 varieties (8 plants), 85c; dozen, \$1.00.	
FICUS Elastica. (Rubber Plant.) From 4 inch pots, 75c; larger, \$1.00. Repens. A trailing variety with small leaves. 3 inch pots. Each, 25c.	
HYDRANGEA Otaksa. Deep rosy pink flowers in large clusters. Fine for porch and lawn decoration. 2-year at 50c each, 3-year at \$1.00 each. Specimens in tubs, \$4.00 and \$6.00.	
PANDANUS Veitchii. Green and white. Very showy plant. 5 inch pots each, \$1.00; larger sizes, \$1.50, \$2.00 and \$3.00.	
SCILLA Maritima. (Sea Onion). We supply pot grown bulbs, the latter standing well above earth in the pot. Each, 25c and 50c.	



CROTON

Chrysanthemums

We wish our patrons to note that in our list of Chrysanthemums we do not pretend to have the largest collection of varieties, but those varieties that have proven the best from all sources are offered.

All Collections of Chrysanthemum plants and those ordered at single plant rate go **PREPAID**.
Larger quantities by express at buyer's expense.

JAPANESE ANEMONE

- Clemencia.** Deep pink, shading deeper in the center, it is crowded with petals. At first glance it resembles an artificial flower, as petals are very crisp and showy. Each, 25c.
- C. L. Hutchison.** Large white, pointed petals, small high cushion. Each 20c.
- Garza.** Medium size, white, used extensively for sprays. Each 15c.
- Innocencia.** Outer petals of pure white; central petals flushed pale pink; edges of the tubular petals in center of light yellow; exquisite. Each 25c.
- Juno.** Deep lilac, shading to white; the center head being loose and graceful and of a deeper shade than the outer petals; magnificent in its coloring. Each 25c.
- Pepita.** Pale pink with orange-yellow center; the flower is heavy and of great substance. Each 25c.
- Titan Beauty.** Color deep, rich bronze, shading in center to scarlet; the most striking of the collection; outer petals reflex, showing the center to advantage. Each 25c.
- Offer No. 111. The set of 7 for \$1.40, postpaid.

FOR POT CULTURE

- Following varieties are most adapted for plants of all decorative sizes and are used extensively for conservatory and house plants.
- Aug. Dasse.** Golden yellow.
- Chieftain.** Very pleasing shade of pink. Incurved.
- December Queen.** Bright yellow approaching orange, so slightly penciled with red as to be hardly noticed. Double to the center. Each, 20c.
- Greystone.** A very beautiful golden bronze.
- Harvard.** Bright crimson.
- Mrs. F. Beu.** Bronze.
- Marion Newell.** Pleasing shade of pink.
- May Foster.** Snow white.
- Mutual Friend.** White, medium height.
- Oconto.** Clear white.
- Old Gold.** Deep yellow; large size.
- The Bard.** Dark crimson, very free flowering.
- Well's Late Pink.** One of the finest pink.
- Wm. H. Lincoln.** Pure yellow.
- Price, except where noted, each 15c postpaid; doz. \$1.50; per 100 \$10.00.
- Offer No. 111B. Set of 14 for \$1.75, postpaid.



LARGE FLOWERING CHRYSANTHEMUM
SMALL-FLOWERED
OUTDOOR VARIETIES

LARGE-FLOWERED OUTDOOR VARIETIES

- A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil, and to those who desire a bright garden in the fall we can recommend them.
- A. Barham.** Bronze; incurving.
- Carpet of Snow.** White, six inch clusters; end of August.
- Carrie.** Flowering the end of August. Yellow and in cluster form.
- Cranfordia.** Large six inch clusters, yellow flowers on single stems.
- Framfield.** Early white. Starting to flower in August. Large white cluster, very free.
- Firefly.** A reddish bronze; flowers very early and continues until late frosts arrive.
- Golden Queen.** Large pure golden yellow.
- Goacher's Crimson.** The best of all crimsons.
- Gustave Grunnerwald.** Light pink.
- Le Pactole.** Very pleasing bronze; free and early.
- Miss F. Collier.** Large white flowers borne on very stiff stems, height about 30 inches.
- Normandie.** Blush pink; very dwarf and free flowering.
- Pink Harbinger.** Rose pink.
- Each 15c, postpaid; doz. \$1.50; per 100 \$10.00 (by exp.)
Offer No. 111A. Set of 13 plants for \$1.65, postpaid.



LARGE-FLOWERING OUTDOOR

LARGE FLOWERING

- Bob Pulling.** Heavy golden yellow blooms. Each 15c.
- Earl Kitchener.** Silver pink, large incurving. Each 15c.
- Marigold.** The brightest yellow. Each 15c.
- October Herald.** An orange-yellow similar in color to Old Gold; in form reflexed with somewhat twisted petals. Its striking color is greatly admired. Each 20c.
- Smith's Imperial.** An extra fine incurved white, fully developed October 22d. Will produce three to four perfect flowers per plant for those who prefer them only medium size. Has abundant glossy foliage extending up to the bloom. Short-jointed, ridged stem. Each 25c.
- Wm. Turner.** One of the finest and largest whites. Each 15c.
- Yellow Turner.** Yellow sport of Wm. Turner. Very large incurved flower. Each 25c.
- Yondota.** A beautiful shade of rose-pink, entirely free from magenta. Matures October 25th from buds selected August 25th. Stem and foliage excellent. Each 20c.
- Offer No. 111C. The set of 8 for \$1.35, postpaid.

CAPRICE TYPE

- Originated in France. A new early flowering strain and ideal for pot culture. Can be planted out in the open ground in May if desired and potted the first part of September, and make beautiful specimens.
- Butler's Caprice.** Flowers deep pink, compact grower.
- Katherine Thompson.** Crimson, strong grower.
- Mrs. Greening.** Flowers pink, with lighter shade in center; fine large foliage and strong stem.
- Lilac Cap.** Pretty lilac-mauve. Dwarf.
- Purple Cap.** Dwarf compact grower.
- Yellow Cap.** Bright clear yellow, ball-shaped flowers.
- White Cap.** Pure white.
- Each 20c, postpaid; doz. \$2.00; per 100 \$12.00 (by exp.)
Offer No. 111D. Set of 7 for \$1.25, postpaid.

- The following varieties are a cross between French varieties and the Hardy English varieties and have gained popularity in this country during the past two years, because with slight protection they will withstand our severe winters. Care should be exercised in planting these in early spring, so that they establish themselves for the vigors of our winters, and not planted in the fall.
- Bijou Rose.** Beautiful rose, free flowering and dwarf growing.
- Charlotte.** Deep bronze.
- Elva.** Early white, very free.
- Fairy Queen.** Very handsome bright pink, large.
- Kate Manning.** Reddish bronze, very early.
- Miss Seeley.** White, one of the best earlies.
- Uneda.** Deep yellow; early.
- Zoda.** Rose pink; early.
- Each 15c; doz. \$1.50; per 100 \$7.00 (by exp.)
Offer No. 111E. The collection of 8 plants described above for \$1.00, postpaid.

SPECIAL BARGAIN COLLECTION

We will send postpaid all collections listed on this page for \$7.50.

POMPON VARIETIES

- These are so well known to all that further explanation is unnecessary. These Button varieties are hardy and are well known throughout the country for their beauty combined with the Autumn foliage in the early days of Fall, lasting along into the early Winter days.
- Baby.** Very small flowered yellow.
- Clarinda.** Even shade of bronze.
- Diana.** Pure white.
- Golden Climax.** Bright yellow.
- Helen Newberry.** White, large flowers.
- Jules La Gravere.** Crimson; medium height, mid-season.
- Lilian Doty.** Early pink; large ball-shaped flowers.
- Leota.** Delicate pink. One of the best.
- Zora.** An early bright yellow.
- Each 15c, postpaid; doz. \$1.50; per 100 \$8.00 (by exp.)
Offer No. 111F. Set of 9 for \$1.00, postpaid.

SINGLE FLOWERED VARIETIES

- During the last three or four years this type has become an attraction to all Chrysanthemum growers, and several of the following varieties, not only being used for conservatory and greenhouse work, have proven to be hardy and very attractive for outdoor cultivation.
- Blazing Star.** Fiery crimson.
- Golden Mensa.** Pale yellow, and two rows of petals.
- Phillips Bryant.** Sulphur yellow, fine for cutting.
- R. B. Burge.** The purest white with bright yellow center, similar to pond lily; not a very robust grower.
- W. Buckingham.** Large rose pink.
- Each 15c, postpaid; doz. \$1.50; per 100, \$8.00 (by exp.)
Offer No. 111G. Set of 5 for 60c, postpaid.



POMPON CHRYSANTHEMUM.

Words "by Exp." Signifies Plants Are Sent by Express at Buyer's Expense.



**YELLOW
KING HUMBERT**

Vaughan's Choice Collection

A most distinct and interesting collection of Cannas, both rare and effective. Be careful in ordering and planting Cannas to note height of growth, so that, when in groups, tall ones are at back, smaller at front, or plants of about one height only are planted together.

- Aigle.** 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings erect spikes.
- Altitude.** 5½ ft. Bronze foliage, over which stand the magnificent bright scarlet flower spikes. The individual blooms are immense and of great substance.
- Aviation.** 4 ft. Foliage green, good sized spike; flowers very large, clear vermilion.
- Colossal.** 5 ft. Green foliage. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.
- Goldbird.** (l'Oiseau d'Or). 4½ ft. Flowers of good shape and large size; vigorous growth. The color is a bright yellow, making it a good companion to Firebird.
- Jane Addams.** 4½ ft. Green foliage. Buttercup-yellow with blotches of red in the throat; a clean vigorous grower and very free bloomer.
- Mrs Alfred Conard.** 4 ft. Green foliage. Flowers salmon pink of large size on finely shaped flower heads.
- Olympia.** 5 ft. Green foliage. A rich oriental red with center a lighter shade and dappled carmine. The individual florets and trusses are very large. Plant is a strong grower and fall bloomer.
- Oriental.** 4 ft. Foliage light green. This is a grand variety in its color, and when massed is very effective. Flowers are golden yellow, tined with nasturtium-red, forming immense spikes.
- Panama.** 2 ft. Green foliage. The rich orange-red face of the petals is bordered with a broad edge of golden yellow. The trusses are produced very freely.
- Prices.** From 2½ inch pots, each, 25c; doz., \$2.50, prepaid.
From 4 inch pots, doz., \$3.00 (by express).

SPECIAL OFFERS

- No. 119A. One each of the above (10) Cannas, postpaid, from 2½ inch for \$2.25.
- No. 119B. One each of the above (10) Cannas from 4 inch pots for \$3.00, (exp.)
- Prepayment as noted here means through Fourth Postal Zone.
- For prepayment to further zones, add 15 cents per doz. 2½ inch plants.

SUITABLE PLANTS FOR BORDERS OF CANNA BEDS

- Use those marked (a) with green-leaved Cannas; (b) with red-leaved.
- (a) Coleus Verschaffeltii and Beckwith's Gem. Plant 8 inches apart. (b) Coleus Golden Bedder. Plant 8 inches apart. (a) Salvia, Fireball and Drooping Spikes. Plant 15 inches apart. (b) Caladium Esculentum. Plant 18 inches apart. (b) Centaurea Gymnocarpa. Plant 8 inches apart. (a) and (b) Pennisetum Longistylum. Plant 8 inches apart.

Office of West Chicago Park Commission, Chicago, Gentlemen:-In April, 1917, I received from Vaughan's Seed Store Canna Yellow King Humbert. I feel that I must let you know that it exceeded all my expectations. Though my soil is poor for most varieties of Canna the Yellow King Humbert seemed to flourish in it. I have not another variety which could compare with its quick-growing and free-blooming qualities.

August Koch, Chief Florist.

VAUGHAN'S

Yellow King Humbert added last year was the sensation among Canna planters. It is the largest yellow spotted Canna since we introduced Florence Vaughan. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, at San Diego and San Francisco, we won grand medals for our exhibits of these plants.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect, characterize the Canna beds of today. No public park, or garden, private estate or school grounds can do without canna beds. Our annual effective displays of them at our Greenhouse grounds near Chicago are the surprise and admiration of all visitors.

Vaughan's Cannas SUPERLATIVE COLLECTION

This short collection comprises the best obtainable leading new Cannas of real merit in both size of flower and clearness of color.

YELLOW KING HUMBERT 4 feet.

An orchid-flowering sport of the well-known variety King Humbert. Has the same habit of growth as its parent; foliage a very dark green, with flowers measuring 5 to 7 inches across; individual petals 3 to 3½ inches in diameter. Color of flower a deep rich yellow, softly spotted and blotched with bright red.

Some plants will occasionally give a scarlet or scarlet striped flower, which we consider an improvement, rather than a defect.

Each, 25c; 3 for 65c; doz., \$2.50.

From 4 inch pots, each 35c.; doz., \$3.50.

KING HUMBERT SCARLET FLOWERS, BRONZE LEAVES GREATEST FAVORITE TODAY

This remarkable "Gold Medal" Canna has been the sensation of the past eight years. It is a cross between the orchid-flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free blooming character of the other, and the handsome broad, tropical foliage. 4 ft.

Each, 20c; 3 for 55c. doz., \$2.00.

From 4 inch pots, each, 30c; doz., \$3.00.

HUNGARIA 3½ feet **The Best Pink Canna.** Very compact, almost dwarf and of a very luxuriant growth. Leaves bluish green, never burns. Trusses of enormous size, borne well above the foliage. Flowers very large, with very large petals. Color purest La France-pink, with satin sheen.

Each, 25c; 3 for 65c; doz., \$2.50.

From 4 inch pots, each, 30c; doz., \$3.50.

Eureka. 4 ft. Remarkably free flowering variety, and with its striking white flowers, which first appear cream, makes a very effective show in conjunction with a good scarlet such as Firebird or King Humbert. A robust grower forming sturdy, shapely plants quickly.

Each, 25c; 3 for 65c; doz., \$2.50, (prepaid)

From 4 inch pots, each, 35c; doz., \$3.50.

Firebird. The best scarlet green-leaved variety. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across, a clear glistening scarlet without any streaks, spots or blotches. We have seen and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it. See photograph on opposite page.

Each, 25c; 3 for 65c. doz., \$2.50, prepaid.

From 4 inch pots, each, 35c; doz., \$3.50.

Gustave Gompper. 3½ to 4 ft. Flowers of great size and substance, in color, a fine golden yellow, the lower petals being slightly splashed with red. Stiff erect stems and large flower spikes.

Each, 20c; 3 for 55c; doz., \$2.00, prepaid.

From 4 inch pots, each, 30c; doz., \$3.00.

Mrs. Woodrow Wilson. 4 ft. Green foliage. Charming shade of soft clear crimson-pink. Flowers are large with round, graceful overlapping petals of great substance. Strong grower.

Each, 50c; 3 for \$1.35; doz., \$5.00.

From 4 inch pots, each, 50c; doz., \$5.00.

Orange Bedder. 4 ft. Green foliage. A bright orange color with just enough scarlet suffusion to intensify the dazzling mass of color. A very free bloomer.

Each, 20c; 3 for 55c; doz., \$2.00.

From 4 inch pots, each, 30c; doz., \$3.00.

SPECIAL OFFERS

- No. 118A. One each of above (8) Cannas from 2½ inch pots for \$1.85, prepaid.
- No. 118B. One each of above (8) Cannas from 4 inch pots for \$2.35, by express;

I have cultivated your cannas since before World's fair sending to your house when I lost any and for new kinds for all years since.

Mary C. Slater, Lafayette, New Jersey.

CANNAS

CANNA BEDS PLANTING SUGGESTIONS

To plant a circular Canna bed; spade the ground two feet deep, mixing thoroughly into the soil enough well rotted manure to fill six inches in depth of the whole bed. When ready place a stake in center of the bed and with a radius of eighteen inches mark a line for planting the first row. Set the plants in this row eighteen inches apart. Lengthen the radius eighteen inches for each successive row; plants other than Cannas require different distances. All numbers below represent round beds.

Planting plans will be furnished with each Canna bed ordered.

Culture.—Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure, by the end of May, when danger from frost is past. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants about 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds or borders.

TWO SIZES OFFERED. Prices given first below are for regular **FIRST SIZE** plants from 2½ inch pots. The next size larger plants are noted as **FROM 4 INCH POTS.** When not so offered, 2½ inch plants are sent,

The large size from 4 inch will be ready May 15, and will bloom soon.

CANNA BED No. 1—10 ft. across, 37 plants.
7 Mrs. Alfred Conard. (For center and first row.)
12 David Harum. (Second row.)
18 Gustave Gompper. (3rd or outside row.)

	Prepaid	By express
No. 1A. Price, 37 plants, first size, from 2½ inch pots	\$ 7.00	\$ 6.50
No. 1B. Price, 37 large plants, from 4 inch pots.....	10.50	9.50

CANNA BED No. 2—13 feet across, 61 plants.
19 Florence Vaughan. (For center and two rows.)
18 David Harum. (Third row.)
24 Mad. Crozy. (Fourth or outside row.)

No. 2A. Price, 61 plants, first size, from 2½ inch pots..	\$ 9.00	\$ 8.00
No. 2B. Price, 61 large plants, from 4 inch pots.....	12.00	10.50

CANNA BED No. 3—7 feet across, 19 plants.
1 Yellow King Humbert. (For center.)
6 King Humbert. (First row.)
12 Firebird. (Second or outside row.)

No. 3A. Price, 19 plants, first size, from 2½ inch pots..	\$ 4.00	\$ 3.50
No. 3B. Price, 19 large plants from 4 inch pots.....	6.00	5.00

CANNA BED No. 4. 10 ft. across, 37 plants.
7 King Humbert. (For center and first row.)
12 Firebird. (Second row.)
18 Eureka. (Third or outside row.)

No. 4A. Price, 37 plants, first size, from 2½ inch pots..	\$ 8.00	\$ 7.00
No. 4B. Price, 37 large plants from 4 inch pots.....	11.00	9.50

CANNA BED No. 5. 7 ft. across, 19 plants.
1 Florence Vaughan. (For center.)
6 David Harum. (Second row.)
12 Mad. Crozy. (Third or outside row.)

No. 5A. Price, 19 plants, first size, from 2½ inch pots...	\$ 3.00	\$ 2.50
No. 5B. Price, 19 large plants from 4 inch pots.....	4.75	3.75



CANNA FIREBIRD

CANNA BEDS

IN SOLID COLOR, (not Prepaid).	7ft. Bed	10 ft. Bed	13 ft. Bed
	19 Plants	37 Plants	61 Plants
Firebird, First size.....	\$3.75	7.00	\$10.50
Firebird, Large size.....	5.00	9.50	14.50
Yellow King Humbert, First size.....	3.75	7.00	10.50
Yellow King Humbert, Large size.....	5.00	9.50	14.50
King Humbert, First size.....	2.50	4.50	6.00
King Humbert, Large size.....	3.75	7.00	10.50
Mrs. Alfred Conard, First size.....	3.75	7.00	10.50
Mrs. Alfred Conard, Large size.....	5.00	9.50	14.50
Gustave Gomppers, First size.....	2.50	4.50	6.00
Gustave Gomppers, Large size.....	3.75	7.00	10.50

All Canna plants from 2½ inch pots offered on this page at 20c., each go prepaid. Larger lots and sizes by express at buyers expense. To estimate postage on 2½ inch pot plants to different zones, figure one dozen plants 3 pounds, packed.

Standard Cannas of Long-established Merit SEE PRICES BELOW.

Orchid-Flowering Varieties SEE PRICES BELOW

- Allemania.** 4 to 5 ft. Green foliage. The outer petals are scarlet, with broad yellow border. Inside of bloom scarlet and dark red.
- Burbank.** 5 ft. Green foliage. The flowers are gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest a rich canary-yellow.
- F Benary.** 5½ to 6 ft. Green foliage. Flowers currant red with orange throat and yellow edge. Early and free bloomer.
- Long Branch.** 5 ft. The flower resembles a giant flowering Queen Charlotte in the orchid-flowering class, being bright crimson with wide, irregular border of yellow which stands the sun equally as well as King Humbert.
- Louisiana.** 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
- New York.** 5 ft. Dark bronze foliage, with the orchid type of flowers. Will stand the hot sunshine as well as the toughest varieties of Cannas. The color is a solid rich scarlet covered with a beautiful glowing sheen.
- Wyoming.** Bronze foliage. Flowers a beautiful shade of orange.

Bronze-Leaved Varieties

- David Harum.** 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.
- Egandale.** 4 ft. Bronze foliage. Considered by experts the best in this class. Strong compact flower spikes. Color currant-red.
- Leonard Vaughan.** 4½ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.

Pink and White Shades-Green Foliage

- Improved Mont Blanc.** 4 ft. Large pure white. The plant is very robust and carries its flower well above the foliage.
- Venus.** 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow. (For other good pinks see *Hungaria* and *Mrs. A. Conard*, on opposite page.)

Crimson and Scarlet Shades, Green Foliage

- Beaute Poitevine.** 3½ ft. Largest and best crimson.
- Chas. Henderson.** 4 ft. Crimson flowers. Good bedder. Roots winter well.
- Julius Koch.** 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals and of the most brilliant blood-red. One of the best reds in our collection.
- Matador.** 4½ ft. Flowers are of the largest size, the petals being very broad and beautifully rounded. The color is rich scarlet, marbled cerise, very striking.
- Meteor.** 4 ft. Immense brilliant crimson heads of large round-petaled flowers. This is a color that keeps well, the spike is large and clean.
- Milwaukee.** 3½ to 4 ft. Flower rich deep maroon, darker than the Duke of Marlborough. We find it the darkest of all Cannas.
- New Chicago.** 4½ ft. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower.
- The Express.** 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

Yellow and Yellow-Edged Varieties

- Florence Vaughan.** 5 ft. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.
- Dwarf Florence Vaughan.** 3½ ft. Identical with Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted red.
- Mad. Crozy.** 3½ ft. Vermilion, gold border. First to become popular.
- Queen Charlotte.** 4 ft. Rich orange-scarlet with a broad gilt edge.
- Souv. de A. Crozy.** 4 ft. The flowers are scarlet-crimson bordered yellow.

PRICES OF STANDARD CANNAS—THIS SECTION.

	Each	3 for	Doz.	100
First Size, 2½ in. pot plants, prepaid....	\$.20	\$0.55		
First Size, 2½ in. pot plants, not prepaid			\$1.75	\$10.00
Large Size, 4 in. pot plants, by express....	.30	.65	2.50	18.00

Our First or Mail Order Size are best for distant points; the larger plants by Exp., quick bloomers, are best for buyers within 250 miles of New York or Chicago.



GRANDE DUKE ALEXIS

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trials last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

We offer all **Green plants**, with the exception of those also offered in roots, at end of page.

Contrary to public opinion we maintain that **Dahlia plants are always superior to dry roots, and are willing to take the responsibility of recommending them.**

While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th**, but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Full cultural directions accompany every order.

Please state if you want a substitute if our supply of any is exhausted.

Prices. All Dahlias listed on this page, each and dozen price include prepayment. Larger lots by Express at Buyer's expense. Those listed at 15c each are \$1.50 per dozen, 20c each \$2.00 per dozen, 25c each \$2.50 per dozen. Write for prices on larger lots.

NEW AND CHOICE DALIAS

- ATTRACTION.** (Peony). Very large perfect and full flowers of a clear lilac rose. A rare color; plant vigorous, producing fine flower stems. Each \$1.50.
- KALIF.** (Cactus). Pure scarlet. A true majestic flower frequently measuring 8 to 10 inches in diameter, strong grower. Each \$1.00.
- KING OF AUTUMN.** (Decorative). An entirely new shade of buff yellow suffused with orange. A well formed flower of the decorative type. The color is unique, flower and foliage of vigorous constitution. A splendid exhibition bloom. Each \$1.50.
- ROSE GEM.** (Decorative). A very charming flower of a fascinating delicate pink. Wherever exhibited it has been the center of attraction. The blooms are large and carried on long stems. Each \$1.50.
- SALVATOR.** (Peony). Another pink but of deeper shade. It is a clear rose, the plant is of Dwarf habit and carries its flowers on stout stems well above the foliage. Flowers are of perfect shape and very full. Each \$1.50.
- YELLOW KING.** (Cactus). One of the finest Peony Dahlias ever shown, clear yellow, and large elegant flowers on long stiff stalks. Each \$1.00.
- SPECIAL OFFER, No. 114.** One each of the above (6) Dahlias, postpaid \$6.50.

VAUGHAN'S SELECTION of EARLY FLOWERING

We have tried the following varieties and recommend them as earliest flowering in our collections.

- A. D. Livoni.** (Show). A beautiful soft pink flower with quilled petals.
- Countess of Lonsdale.** (Cactus). A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best. Each 25c.
- Crimson Giant.** (Decorative). Deep crimson flowers of immense size.
- Holsatia** (Cactus). Orange scarlet. Each 20c
- Jack Rose.** (Decorative). A rich velvety crimson.
- Kaiserin Augusta Victoria.** (Decorative). Pure white flowers borne in great profusion on erect, stout stems, fully 18 inches long, all above foliage. The immense, perfect flowers can be kept in flower until Thanksgiving. Each 25c.
- Lynnhurst.** (Decorative). A rich and brilliant cardinal red.
- Marguerite Bruant.** (Show). Pure white dwarf and free bloomer.
- Mrs. Henry R. Wirth.** (Cactus). We always have recommended Countess of Lonsdale as a Dahlia of free flowering habit and that every flower it produces is perfect. Mrs. Wirth is a splendid companion to this, having all the qualities of the former. In color a rich glowing intense scarlet. Each 25c
- Merry Widow.** (Single). Deep bright scarlet flowers of gigantic size on stems 15 inches long and measuring 4 to 5 inches. Each 20c.
- Pink Century.** (Single). Delicate soft pink.
- Sylvia.** (Decorative). White shading to soft pink on the outer petals.
- Wm. Agnew.** (Decorative). The richest shade of intense, dazzling red.
- Yellow Duke.** (Show). Pure canary yellow, large size flowers on good stiff stems.
- Prices except where noted, each 15c; dozen \$1.50.
- SPECIAL OFFER, No. 114A.** One each of the above 14 Dahlias postpaid, \$2.25.

STANDARD VARIETIES

- C. W. Bruton.** A fine bright yellow, very large flower.
- Coronna.** A pure white, usually from 2½ to 3 inches in diameter, of most perfect form and remarkably free flowering. Each 20c.
- Goliath.** Deep Garnet red with long stems.
- Miss Minnie McCulloch.** Soft yellow overlaid with bronze.
- Mrs. Chas. Turner.** Pure yellow.
- Perle de Lyon.** This is the best white Decorative Dahlia to date. Each, 20c.
- Queen Mary.** Fine rose pink, free bloomer; good stiff stem. Each, 20c.
- Queen of Yellows.** A beautiful clear color.
- Price except where noted, each 15c; dozen \$1.50.
- SPECIAL OFFER, No. 114B.** One each of above 8 Dahlias postpaid, \$1.10.

Dahlia Plants

May
Delivery

CACTUS VARIETIES

- Alpenrose.** A fine flower with twisted petals, very light pink changing to white on outer petals. Free bloomer. Each, 25c.
- Charles Clayton.** Color is a most intense red. Each, 20c.
- Else.** Buttercup yellow shading into amber. Each, 25c.
- Flora.** Ideal white with large heavy flowers on stout stiff stems. Each, 20c.
- Geisha.** (Cactus). A effective and rich combination of scarlet and gold. The showiest and most attractive of this type yet introduced. Each 35c.
- Kriemhilde.** An exquisite, delicate shell-pink, shading to cream in the center. Produces 5-inch flowers. Each, 20c.
- Lawine.** A pure white of good form, very free and early flowering. Each 20c.
- Master Carl.** Bright amber. A gigantic flower of perfect form with immense and graceful curved petals. One of the finest. Each 25c.
- Mrs. Geo. Stevenson.** Bright yellow. Large blooms with long and narrow petals. Flowers borne on long wiry stems, well above the foliage. Very free blooming. Each 20c.
- Rheinkonig.** Pure snow white flowers of splendid form, 5 inches and over in diameter. These are great substance, lasting splendidly when cut; they are borne on long, stiff stems held well above the foliage, making it as valuable for garden decoration as for cutting. Each 35c.
- Rother.** A beautiful dark velvet crimson. The flowers are of perfect shape, very early, free flowering and dwarf in habit. Each 20c.
- Standard Bearer.** Rich fiery red. Strong vigorous grower. Each, 25c.
- Uncle Tom.** A deep velvety maroon, almost black. Each, 20c.
- Wodan.** A most pleasing delicate salmon rose shading to old gold in the center. Each, 25c.
- SPECIAL OFFER, No. 114C.** One each of the above 14 Dahlias postpaid, \$2.85.

DECORATIVE—Choice and Rare Kinds

- David Harum.** Bright orange scarlet with deep crimson shadings
- Delice.** The finest pink Decorative Dahlia.
- Frank L. Bassett.** Bright rose purple.
- Grand Duke Alexis.** Pure white shading to a delicate and charming shell pink.
- Henry Patrick.** A pure waxy white.
- Jeanne Charmet.** Bright pink with crimson edges.
- Jack's Discovery.** White, mottled violet rose.
- Mrs. Hartong.** Rich golden bronze distinct and beautiful.
- Princess Juliana.** A fine white, large and splendid form. Early and free flowering. Strong stems. Fine for cutting. Each 35c; dozen \$3.50.
- Virginia Maule.** A most delicate blush or shell pink.
- Price except where noted each 25c.

SPECIAL OFFER, No. 114D. One each of above 10 Dahlias postpaid, \$2.25.

PEONY-FLOWERED

- Bianca.** Large type flowers of lovely pink lavender color. Each, 60c doz., \$5.
- Hon. R. L. Borden.** Large distinct rich golden bronze. One of the finest of recent introduction.
- Jan Olieslagers.** (Peony) Deep primrose yellow, rich and effective; flowers large and full, very upright stem and free bloomer. Each, 50c; doz., \$4.50.
- Mrs. J. C. Vaughan.** Lovely bright clear yellow flowers, long stalks, flowers are large and very attractive. For color and outline this flower is absolutely unique, and has won many medals and cups in Europe. A good grower, the flowers standing well over the foliage. Each, 50c; dozen \$4.50.
- Paul Kruger.** White and red flowers on very long stems.
- Queen Emma.** A charming shade of Hollyhock, the inner petals margined with gold. A very large and magnificent sort.
- Queen Wilhelmina.** This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free flowering and the flowers are produced on good stems, making a fine variety for garden decoration.
- Price except where noted, each 25c; dozen \$2.50.

SPECIAL OFFER, No. 114E. One each of above 7 Dahlias postpaid, \$2.25.

SHOW AND FANCY DAHLIAS

- Black Diamond.** A rich velvety maroon shaded jet black.
- Bon Ton.** A deep rich garnet red. A fine ball shaped flower.
- M. D. Hallock.** Deep clear yellow, large flower and strong grower.
- Miss May Lomas.** A delicate white, suffused tipped light lavender. Each, 20c.
- Mrs. Dexter.** Reddish apricot, very large and full flowers.
- Red Head.** Deep red, large flowers, of dwarf, free blooming head.
- Storm King.** Still the finest of all white Show Dahlias. An extremely early, profuse and constant bloomer, a strong vigorous grower of branching habit, producing large, perfect shaped flowers on long stiff stems. One of the finest for cut flowers, each 20c.
- Price except where noted, each 15c; dozen \$1.50.

SPECIAL OFFER, No. 114F. One each of above 7 Dahlias postpaid, \$1.00.

POMPON DAHLIAS

- Allie Mourey.** Pinkish white, tipped deep pink.
- Elegant.** Bright pink flowers of perfect form with beautiful quilled petals.
- Snow Clad.** The best white Pompon. Free Flowering.
- Little Herman.** Deep red, tipped white. Price, of above, each 15c; dozen, \$1.50.

SPECIAL OFFER, No. 114G. One each of above 4 Dahlias postpaid, 50c.

SINGLE and NEW CENTURY DAHLIAS

- Gold Standard.** Pure yellow flowers borne on long, graceful stems of the finest form and texture and of largest size. Each 15c.
- Maroon Century.** A beautiful, rich maroon, with a large yellow center. Each 20c.
- Praetiles.** Velvet purple, tipped white. An early and extremely profuse bloomer, making a distinct, unique and striking plant. Each 15c.
- Pres. Viger.** Rich claret, shaded lighter at the edges with pure light collar, occasionally rose tinted. Striking and distinct. Each 15c.
- Scarlet Century.** Brightest dazzling scarlet. Each 20c.
- SPECIAL OFFER, No. 114H.** One each of above 5 Dahlias postpaid, 75c.

DAHLIA ROOTS

- Unnamed Double Dahlias.** Undivided field clumps in white, pink, yellow or red; good sorts. Each 25c; doz., \$2.50, by express.
- Mixed Double Dahlias.** Once divided field clumps. Each, 15c; doz., \$1.50, by express.
- Mixed Single and Double Dahlias.** Once divided field clumps. Each 15c; doz. \$1.50, by express.

VAUGHAN'S ROSES

WE again take pleasure in submitting our revised list of roses, some splendid new American and European Novelties of approved merit having been added, and some of the older ones discarded. We grow roses for stock purposes only, not for a cut-flower trade. Our bushes are therefore not exhausted by bearing a quantity of flowers and consequently produce stronger wood, which is selected for the propagation of our young stock. These are grown under the personal supervision of an expert, are wintered in a temperature as low as is essential for their successful culture, and are strong bushy plants, with clean, healthy, well ripened wood.

All orders are handled and packed by experienced hands, and we guarantee safe arrival by express. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled than from cities less centrally located. Ask for our pamphlet, "How to be Successful With Roses."

Choice Hardy Hybrid Tea Roses

The following are extra quality stock ready for shipment in April, 1919.

Price each, from 2½ in. pots includes prepayment.

Larger lots and sizes go by express at purchaser's expense.

Cardinal. A delightfully fragrant red rose of a strong, robust habit, making a desirable bedder.

COLUMBIA. A true pink, deepening as it opens to a glowing pink. A peculiarity of the variety is that the shades all become more intense until the full maturity of the open flower is reached. It is large size with a wonderful depth. Being fully double makes it a fine summer rose. Strong grower sending up numerous stiff stems of good length, with fine foliage free from mildew. Thornless for 10 to 12 inches below the flowers, and very few thorns.

Price from 2½ inch each, 50c; doz., \$5.00; 4 inch each, 75c.; doz., \$8.00.

Hoosier Beauty. Large full well formed flowers of deep rich crimson with darker shadings to center, very free in growth, mildew proof, and fragrant; fine exhibition and garden rose, described by the raisers as the finest red rose.

Killarney Brilliant. A splendid improvement on the original Killarney in every way. Color much deeper, more petalage and the best of the sports that Killarney has so far produced.

Mrs. Charles Russell. A strong growing rose. The foliage is heavy and leathery, inclined to slightly curl on the older wood; is almost mildew proof. The bud is fully as large as American Beauty, but longer and pointed, and opens into a flower of unusual beauty. The color is a bright rose pink, deeper in the center.

Ophelia. Color, clear bright salmon often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff

stems. Large, handsome foliage showing that it is a wonderfully free bloomer and grower and not prone to mildew. Growth free and continuous under all conditions.

Prince E. C. De Arnberg. A red rose of great promise. This rose has a lively clear color, scarlet with deeper shadings, not inclined to turn blue and is especially lively under artificial light, holding its color as the flower lasts. The bud is heavy and pointed, developing into a beautiful full flower of great size and finish. This variety produces no deformed buds and is a quick and continuous grower. The growth is heavy and free with thick leathery foliage, which is free from mildew or blackspot, and is one which anyone can grow.

Rhea Reid. A remarkably fine Hybrid Tea Rose. A vigorous grower, bearing a profusion of large, full, bright crimson flowers, very fragrant and lasting.

Sunburst. A truly great rose which is now classed with the American Beauty and Killarney. It rivals Mrs. Aaron Ward, being a rich coppery yellow of good size and form. Is a strong grower and having long, strong stems.

Price except where noted, as follows:

From 2½ inch pots each, 35c.; doz., \$3.50; 100, \$25.00.

From 4 inch pots each, 50c., doz., \$5.00; 100 \$35.00.

New Rose Los Angeles

American patriotism will be stirred among those who value such things, by the debut of a genuine floral sensation—conceived by a patriot, and "made in America," named "Los Angeles."

The stems are long, as on American Beauty; the flowers are as large as Paul Neyron, forming long and pointed buds; its freedom and continuance of bloom are remarkable; its color, "has the tints of the dawn, the gold of noonday and the blush of the sunset", according to one poetic admirer.

The originator describes Los Angeles as a "flame pink, toned with coral and shaded with translucent gold at the base of the petals."

With us it has proved a splendid bedding rose, the flowers in late autumn retaining the splendid shape and wonderful colors of the first buds.

Price, 2½ inch pots, each, 50c; 3 for \$1.40; 4 inch pots, each, 75c (exp.)

Price, Strong 2 year old plants potted, each, \$2.00, by express.



THE WONDERFUL LOS ANGELES

Special Offer No. 115

One each of the 10 roses, on this page from 2½ inch pots, postpaid, to any address for \$3.25.

Special Offer No. 115A

One each of the 10 roses on this page, from four inch pots, large plants, by express, \$5.00, at buyers expense,



MRS. AARON WARD

SPECIAL OFFERS

- No. 116. One each of above (14) roses from 2½ inch pots, postpaid \$2.75.
No. 116A. One each of above (14) roses from 4 inch pots, by exp., \$5.00.

POLYANTHUS ROSES

These are entirely distinct from the larger flowered sorts and there is a place for both of them in every garden, being so hardy and adapted to so many uses. Masses of 25 or more together will be found to make a very effective planting.

- BABY DOLL.** An entirely new color and very startling in its brilliancy. A golden yellow tipped with clear bright cerise. The foliage long and sharply pointed, a deep glossy green. The habit is similar to Cecile Brunner. Dwarf grower a splendid bedder. Can be used in borders, etc.
- BORDURE.** Very dwarf plant, attaining a height of no more than one foot, with thick set growth, covered all season with a multitude of flowers. Flowers one to two inches in diameter, double, perfectly formed; pure carmine, buds bright carmine. The flowers do not fade in hot sun.
- CECILE BRUNNER.** The delicate buds are of perfect form and color, which at first is rose pink, shading to a deep salmon pink, and showing a rich orange center, toning to a pale flesh color when fully opened. It is a healthy grower beginning to bloom in early June, and continuing until approach of frost.
- CLOTHILDE SOUPERT.** A truly grand bedding rose pearly white in color shading to a pure rose pink. It has remarkably round double fragrant flowers always borne in clusters. Being the introducers, we take pride in having extra select stock which will bloom continuously during the summer, if given ordinary care.
- ECHO.** A new soft pink variety of the style of Baby Tausendschon but much stronger grower. Flowers produced in clusters measuring 12 inches.
- GEORGE ELGER.** A lovely little golden-yellow Polyantha Rose, with a good mixture of Tea blood. Like all of its class, it is free in growth and bloom, with small, glossy foliage produced in profusion. The dainty little pointed yellow buds open into pretty little symmetrical roses. Will prove a very popular corsage variety; is grown in quantity now for this purpose.
- VAUGHAN'S WHITE BABY RAMBLER.** The flowers are borne in clusters of 50 to 75 individual flowers, one inch in diameter and pure snow white. The foliage is dark and glossy and finely cut. Does not grow over 12 inches in height, forming very bushy plants. For cemetery use of great value, being perfectly hardy.

PRICES OF ABOVE:

- From 2½-inch pots. Each, 20c, postpaid; by express at buyer's expense, doz. \$2.00; 100, \$15.00.
From 4-inch pots. By express at buyer's expense, each, 40c; doz., \$4.00; 100, \$30.00.

SPECIAL OFFERS

- No. 116B. One each of above (7) roses, from 2½ inch pots, postpaid, \$1.25.
No. 116C. One each of above (7) roses, from 4 inch pots by express, not prepaid, \$2.50.

Pot-Grown Roses ON OWN ROOTS

THESE are very vigorous plants, and are especially adapted for bedding, rose borders, or cemetery use. Can also be moved to larger pots and used in the conservatory or greenhouse. With one or two exceptions they are all of the Hardy Hybrid Tea class. For those who want moderately priced bushes, or to be sent by mail, these are the ones to select from; they give splendid satisfaction.

- AMERICAN BEAUTY.** This is the queen of all roses, being extra large full and fragrant. The color is a fine deep pink shaded towards the center a carmine crimson.
- Cynthia Forde.** A delightfully fragrant large double rose of deep shining pink. Sure to be a favorite it is so free blooming and has such fine long stems. Full and perfect in form.
- Caroline Testout.** Rose pink. A fine garden Rose for cutting.
- Cochet Pink.** Well known pink bedding rose, deliciously fragrant.
- Cochet White.** A pure white of finest fragrance and with the good qualities of its parent.
- Gruss an Teplitz.** Brilliant red. One of the most prolific bloomers of all.
- Jonkheer Mock.** Red shaded to silvery white.
- Kaiserin Augusta Victoria.** One of the best whites. Fine summer bloomer.
- Killarney.** Bright pink. The favorite pink rose of America.
- Lady Hillingdon, (Tea Scented).** An exceptionally free blooming variety of a deep golden yellow. Its long pointed buds open beautifully and expose the richness of color in the center for which it is so remarkable.
- Mrs. Aaron Ward.** Orange yellow. We cannot recommend too highly for bedding and cutting.
- Richmond.** Scarlet-crimson, pointed buds, and tall, erect stems; handsome dark foliage. One of the most successful and prolific roses for the garden.
- White Killarney.** Pure white. As free-blooming as its pink parent.
- W. R. Smith.** Although not new, this is a most desirable ever-blooming summer rose and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens great and small.

PRICES OF THE ABOVE:

- From 2½-inch pots. Each, 25c; postpaid—by express at buyer's expense, doz., \$2.50; 100, \$18.
From 4-inch pots. By express at buyer's expense, each, 40c; doz., \$4.00; 100, \$30.00.

VAUGHAN'S UNRIVALED COLLECTION OF HARDY ROSES

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure, or leaves is very advantageous, and necessary around Chicago. Masses of these roses may be grouped in separate colors in garden beds or borders with very striking effect, and for decorative cut bloom, though they do not possess all the delicate tints found in the Hybrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of their grand size and form, as well as the ideal coloring of such kinds as American Beauty, Magna Charta, Frau Karl Druschki.

The roses offered here are budded low on Manetti or Dog rose stocks and are generally known as grafted roses. Plant so that the graft is three inches below the surface of the soil. Early Spring planting is essential.

- AMERICAN BEAUTY.** This is the queen of all roses, being extra large, full and fragrant. Color is a fine deep pink shaded towards the center a carmine crimson.
- ANNA DE DIESBACH.** Very showy and large, pointed buds, a beautiful shade of carmine. A strong grower.
- COQUETTE DES ALPS.** One of the best and freest-blooming of the hardy white Roses, occasionally shows light blush when first opening.
- FRAU KARL DRUSCHKI.** (White American Beauty). This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

George Arends. Beautiful clear light pink, fine, moderately full flower. Free-blooming, vigorous and fine for cutting, having excellent lasting properties.

Gruss an Teplitz. Brilliant red. One of the most prolific bloomer of all.

MAGNA CHARTA. Deep pink, large sweet-scented and of fine form, one of the hardiest roses in cultivation and commonly planted.

PAUL NEYRON. An immense rose of a deep rose color. It has excellent foliage and is a very strong grower.

PRINCE C. DE ROHAN. (The Black Rose). Deep velvety crimson, passing to intense Maroon, fragrant, a strong grower and hardy.

Prices, for 2-year old, dormant. Each, 50c, postpaid; at buyer's expense by express, doz., \$5.00; 100, \$30.00, which will be sent out up to MAY 1st. After that date POT PLANTS will be supplied at the following: Prices, by express at buyer's expense, each, 75c; doz., \$8.00.

SPECIAL OFFER No. 116D. One each of above (10) roses, 2-year old, dormant, up to May 1, for \$4.50. Postpaid.

SPECIAL OFFER No. 116E. One each of above (10) roses, 5-inch pot plant, by express, for \$6.50.



PAUL NEYRON

(Express) Signifies Goods go by Express at Purchaser's Expense.

Climbing Roses

THE demand for climbing roses has always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, with the result that year after year improved forms are being presented for awards before various committees of the keenest judges, but it would be impossible for us to list all that have gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it has done for hundreds of years. For twenty years our greenhouses have specialized on all these beautiful climbers, and here we offer "all the best."

Note.—The abbreviations used in some of the following descriptions denote: (C. P.)—Climbing Polyanthus-flowered; flowers double or semi-double. (Cl. H. P.)—Climbing Hybrid Perpetual.

These by express at buyer's expense, unless otherwise noted.

CLIMBING AMERICAN BEAUTY (Cl. H. P.). A free climber of excellent habit. Strong and vigorous in growth, making heavy canes from 10 to 15 feet in a single season. Rosy-crimson flowers, produced freely in June and occasionally throughout the season. Very fragrant. 5 inch pots, each \$1.00.

Climbing Mme. Cecile Brunner (Cl. Tea). A rose of exceptional merit. The blooms are semi-double, bright rose in the center, shading off to pale pink at the edge, and have a delightful fragrance. We can thoroughly recommend this rose, and have a fine stock to offer.

Price, from 2½-inch pots, each 25c, postpaid; 4-inch pots, each 40c.

Climbing Clothilde Soupert (Cl. Tea). It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters.

Price, from 2½-inch pots, each 25c, postpaid; 3½-inch pots, each 40c.

CRIMSON RAMBLER (C. P.). This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower.

Price, from 5 in. pots, each 75c; extra heavy (splendid plants), each \$1.00.

DOROTHY PERKINS (C. P.). The most popular climbing rose of today, and as hardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading.

Price, from 5 inch pots, each 75c.

EXCELSA (C. P.). A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet. 5 inch pots, each 75c.

Flower of Fairfield (C. P.). Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more lasting and brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season. 5 inch pots, each \$1.00.

Marechal Niel (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a vinery or pillars in a greenhouse this is a magnificent rose. 2½-inch pots, each 25c, postpaid; 3½-inch pots, each 50c, postpaid; 5-inch pots, each 75c.

A SPRAY OF DOROTHY PERKINS



TAUSENSCHON

TAUSENSCHON (C. P.). This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine.]

Price, from 5 inch pots, each \$1.00 (exp.)

WHITE DOROTHY (C. P.). This beautiful rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white, but it is quite as hardy and vigorous. It has now become a universal favorite. 5 inch pots, each 75c (exp.)

RUGOSA ROSES

Very ornamental. Form bushes 5 to 6 ft. high, covered with masses of large single and semi-double flowers. The foliage is deep glossy green, entirely free from mildew, and insect pests, the entire bushes having the appearance of flowering shrubs of exquisite shape and beauty. During winter the red seed-pods or 'berries' are very handsome.

Alba. Crowded with clusters of single pure white flowers, foliage dark green.

Rubra. (True Rugosa Type.) Beautiful single red flowers throughout summer, followed by vivid scarlet seed vessels in the fall. Very free flowering and exceptionally hardy.

Blanche Double de Coubert. A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free blooming and almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting.

Price, for three first kind named above, 2 year old dormant, each, 45c, postpaid; doz., \$4.00.

Covin Tree (new). A fine delicate pink turning to white as the flowers are fully developed. Semi-double. Strong and vigorous grower. 2 year dormant plants; each, 75c postpaid; doz., \$8.00.

The above by express at buyer's expense, unless otherwise noted.

Rambler Rose Collection No. 124

Crimson Rambler
Excelsa
White Dorothy
Dorothy Perkins

No. 124. from 5-inch pots, Price, Collection 4 plants for \$2.50 by express at buyer's expense.

Vaughan's "Bargain" Collections of Roses

Ready after MAY 20th, 1919.

No. 124B 10 plants 2½ inch pots 10 varieties for \$1.50 postpaid
No. 124C 10 plants 3½ inch pots 10 varieties for 3.25 by express
No. 124A. 12 Plants Our Selection, Hybrids Perpetual, potted, for \$6.00, by express at buyer's expense.

The "Lake Forest" Collection

Cynthia Forde. Fine pink.
Gruss an Teplitz. Brilliant red.
Jonkheer Mock. Rose and silvery pink.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
Maman Cochet. White.
Maman Cochet. Pink.

Mrs. Aaron Ward. Orange.
Ophelia. Bright salmon.
Prince de Arendberg. Scarlet.
Rhea Reid. Crimson-scarlet.
Richmond. Red.
Sunburst. Coppery yellow.
White Killarney. Pure white.
W. R. Smith. Creamy white.

Price, Lake Forest Collection from 2½ inch pots, \$2.75, postpaid; from 4 inch pots, \$4.50, by express at buyer's expense.

Tree or Standard Roses

We offer these subject to safe arrival of import stock. Our Selection of best Hybrid Perpetual Varieties in the following colors Pink, Red, White. By express each, \$1.75; doz., \$18.

Vaughan's Hardy

Flower lovers and gardeners know how indispensable are Vines and Climbers for beautifying one's place, especially near the house. Plant Clematis, Climbing Roses and Honeysuckles about the front porches with perhaps a vine or two of the Chinese Wistaria to climb as high as the roof. Stone or brick walls are always prettier when ivy-clad. Then going around to the rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckles and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. On the next two pages are the best climbers for arbors, arches, trellises, porches, etc. Remember how pretty an arbor can be. American Ivy or even Grape vines make a good covering. All vines on this page, unless otherwise noted, by express or freight at owners expense.

Akebia Vine. A beautiful hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2 year, each, 50c; 3 for \$1.40; doz., \$5.00.

Ampelopsis Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, 2 yr., each 35c; 3 for \$1.00; doz., \$3.50; 3 yr., each, 50c; 3 for \$1.40; doz., \$5.00

Ampelopsis Engelmanni. (Engleman's Ivy.) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2 year, each, 30c; 3 for 80c; doz., \$3.00; 3 yr., each, 35c; 3 for \$1.00; doz., \$3.50.

Ampelopsis Lowii. A beautiful Ampelopsis with small palmate leaves, and a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4-inch pots, each 75c, postpaid.

Ampelopsis Quinquifolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 yr., each, 30c; 3 for 80c; doz., \$3.00; 3 yr., each 35c; doz., \$3.50; 4 yr., each, 50c; doz., \$5.00 (exp.)

Aristolochia Siphon. (Dutchman's Pipe.) Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 year, each, 60c; 3 for \$1.70; doz., \$6.60 (exp.)

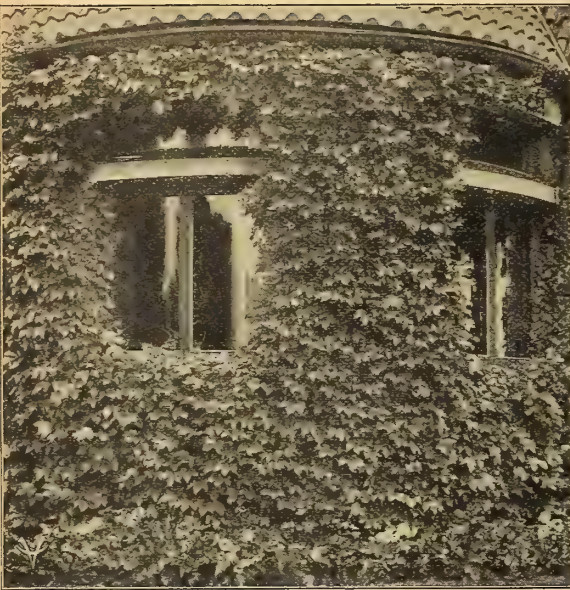
Bignonia Radicans. (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr., each, 35c; 3 for \$1.00; doz., \$3.50.

Celastrus Articulatus. (Japanese Bitter Sweet.) A vigorous climber with almost round, bright green leaves, and orange yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens and is one of the best vines to be had for a porch. 2 yr., each 35c; 3 for \$1.00; doz., \$3.50.

Celastrus Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 yr. vines, each, 35c; 3 for \$1.00; doz., \$3.50.

Cinnamon Vine. A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Extra large roots, each, 10c; 3 for 25c; doz., \$1.00, postpaid; per 100, \$6.50.

When selecting climbing vines, always include a few of the Climbing Roses offered in the Rose Section of this catalogue.



JAPAN OR BOSTON IVY (Ampelopsis Veitchii)

THE JAPAN OR BOSTON IVY *Ampelopsis Veitchii*

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

PRICES

Age	By Mail, Postpaid			100
	Each	Three	Dozen	
2-year	\$0.40	\$1.00	\$3.50	
3-year	.65	1.65	5.00	
By Express, at Buyers Expense				
Age	Each	Three	Dozen	100
2-year	\$0.35	\$0.90	\$3.00	\$22.00
3-year	.60	1.50	4.50	30.00

Pot Crown. For late planting (ready June 1).

Price, each, 75c; doz., \$7.50 at Buyers Expense.

CLEMATIS

JAPANESE CLEMATIS (*Clematis Paniculata*)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and most popular of all the small flowered vines. (See illustration next page).

PRICES. By Mail Postpaid.

Age	By Mail Postpaid			PRICES. By Express, at Buyers Expense				
	Each	Three	Dozen	Age	Each	Three	Dozen	100
2-year	\$0.35	\$0.95	\$3.50	2-year	\$0.30	\$0.80	\$3.00	\$20.00
3-year	.60	1.70	6.00	3-year	.50	1.40	5.00	30.00
				4-year, ex. heavy.	.75	2.00	7.50	

LARGE FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

Duchess of Edinburgh. One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant

Henryii. (Bangholm Belle.) Strong grower, flowers always eight-sepaled, 4 to 6 in. in diameter and pure white. Very hardy.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

Madame Baron Veillard. Light rose, lilac shadings. Much admired.

Ville de Lyon. Its blooming capacity is great and the flowers are of the most magnificent brilliant crimson; they are large and of beautiful circular form.

Prices of above, 2 year, each, 75c; 3 for \$2.15, doz. \$8.00. 3 year, each, \$1.00; 3 for \$2.90; doz., \$11.00.

VICTORY COLLECTION 134 One 2 year old root, each, Jackmanii, Henryii and Ville de Lyon, three colors in all (Red, White and Blue) for \$2.00.

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral red; blooms from June until frost. 2 yr., each 50c; 3 for \$1.40.

Crispa. Fine, deep blue, with a white border and deliciously fragrant. 2 yr., each 50c; 3 for \$1.40.

EUONYMUS RADICANS VEGETUS (Large-leaved trailing Euonymus)

This is a most valuable ground-covering evergreen plant, with rich deep green foliage, thriving in partial shade or under trees where grass and other plants fail. It is also our best hardy evergreen vine, retaining its foliage through the Winter, even when exposed to the sun. 2 year, each, 50c; 3 for \$1.40; doz., \$5.00. 3 year, 60c; ech3 for \$1.70; doz., \$6.60.



BIGNONIA RADICANS (Trumpet Vine)



LARGE FLOWERING CLEMATIS

Climbing Vines

HONEYSUCKLES (*Lonicera*)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved). Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly). One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

Fuchsoides. (Scarlet Trumpet or Semper-virens). Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented). Remarkable for large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Prices of above, 2-yr., each 50c; doz. \$5.00; 3-yr., each 60c; doz. \$6.60.

HALL'S JAPANESE HONEYSUCKLE (*Lonicera Halleana*)

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to December; holds its leaves till January. The best bloomer of all. Price, 2-yr., strong, each 50c; 3 for \$1.40.



HALL'S JAPANESE HONEYSUCKLE
on Porch Support



CLEMATIS PANICULATA

3 yr., strong, each 60c; 3 for \$1.70.

HOP VINE (*Humulus Lupulus*)

A useful climber for covering unsightly places. Price, each 25c; doz., \$2.50.

IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat, foliage is luxuriant. One of the best climbers for northern latitudes.

First size roots, each 20c; postpaid, doz., \$2.00. Extra Size, doz., \$3.50.

KUDZU VINE (*Pueraria Thunbergiana*)

or Jack-and-the-Bean-Stalk-Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and woolly. Fine for porches, arbors, old trees, etc. Small roots, each 20c; 3 for 50c, postpaid. Larger roots, each 30c; 3 for 85c.

MATRIMONY VINE (*Lycium*)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place. Strong, 2-yr., each 35c; doz. \$3.50; 3-yr., each 50c; doz. \$5.00.

PERIPOLOCA (*Silk Vine*)

Graeca. A rapid-growing beautiful climber: will twine around a tree or other support to the height of 30 or 40 feet. Foliage glossy and purple-brown axillary clusters of flowers. 2-year old, each 50c.

VITIS

Wild Grape Vine. We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of stumps, arbors, etc.

Price, 2-yr., each, 35c; 3 for \$1.00; doz. \$3.50; 3-yr., each 50c; 3 for \$1.40; doz., \$5.00.

Vitis Heterophylla. Of Japanese origin and of the greatest value for arbors, walls, trellises or woodland. The long clusters of light blue fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut. Price, 3-yr., each 75c; 3 for \$2.10.

WISTARIA MAGNIFICA

A strong, rapid-growing vine with light green compound foliage of an evergreen nature and purple lilac, pea-shaped flowers, born in very dense, long, pendulous racemes in advance of the opening of the foliage. 2-yr., each 35c; 3 for \$1.00; doz., \$3.50, 3-yr., each 50c; 3 for \$1.40; doz., \$5.00; 4-yr., each 75c; 3 for \$2.15; doz., \$8.00

Half Hardy or Annual Vines

CARDINAL CLIMBER. A graceful annual climber. The flowers are 1½ inches in diameter of a fiery cardinal red flowering from mid-summer until frost. The foliage is deeply lacinated and heavier and coarser than those of the Cypress Vine, to which it is related. Planted in good, rich soil when all danger of frost is over it makes a rapid growth, attaining a height of 30 feet. Price, strong plants, each 25c; doz. \$2.50.

COBAEA Scandens. (Cathedral Bells). Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower. 2½-in. pots, each 20c; doz. \$2.00; 100, \$15.00. 4-in. pots, each 40c; doz. \$4.00.

IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases. Each 15c; doz. \$1.25; 100, \$8.00. 4 in. pots, each 35c; doz. \$3.50; 100, \$20.00. 9-in. tubs, each \$3.50.

IVY, German (Parlor Ivy). 2 in. pots, each 15c; doz. \$1.25; 100, \$8.00. 4 in. pots, each 35c; doz. \$3.50.

MOONFLOWER. (*Ipomoea Learii*). Blue. A beautiful satiny blue. Each 15c; doz. \$1.50; 100, 10.00. 3 in. pots, each 20c; doz. \$2.00.

White. Large flowers. Small plants. Each 15c; doz. \$1.50; 100, \$10.00. Larger plants, each 25c; doz. \$2.50. 100, \$18.00.

MEXICAN MORNING GLORY. (*Ipomoea Paniculata*). A wonderfully interesting climber; grows 30 ft. or more in a season, flowers in clusters of 4 or 5 from each leaf axil, pinkish lavender color. Opens in early morning and about 3 p. m. each day a new flower opens, several clusters at a time often showing 25 flowers in bloom. Winter roots in cellar like Dahlias, they increase yearly, sometimes as large as a water pail. It is scarce and the wonder of any neighborhood where grown. First size roots, price, each 30c, postpaid; doz., \$3.00.

MADEIRA VINE. A popular climber. Strong tubers. Each 5c; doz. 40c; 100, \$2.50.

NASTURTIUM, DOUBLE FLOWERED. Darmstadt. Flowers double, yellow, sweet scented, fine 2½-in. pot plants, each 15c; 3 for 40c; per doz. \$1.50.

VINCA Major Variegata. For basket and vase. 2¼ in. pots, each 15c; doz. \$1.50; 100, \$10.00. 3 in. pots, each 20c; doz. \$2.00; 100, \$15.00. 4 in. pots, each 35c; doz. \$3.50; 100, \$20.00.

Minor (Grave Myrtle). Evergreen. Each 15c; doz. \$1.50; 100, \$10.00.

WEeping LANTANA. A trailing sort for vases and hanging baskets. Delicate rosy lilac flowers borne freely summer and winter. Each 15c; 3 for 40c; doz. \$1.25; 100, \$8.00.

VAUGHAN'S "SHADY SIDE" 127 A

CLIMBER COLLECTION FOR 1918

Each plant is suitable for planting on the north side of any building where sunlight is not strong.

- Clematis Jackmanii.
- Honeysuckle Heckrotti.
- Ampelopsis Engelmani.
- Akebia Vine.
- Celastrus (Bitter Sweet).
- Boston Ivy (Ampelopsis Veitchii).

1 each: All strong 2 yr. plants for \$1.50. (By express at buyer's expense.)

CLIMBING ROSES

When selecting Flowering Vines, try and include a Climbing Rose or two. A complete collection of the best will be found on page 117.



WISTARIA

VAUGHAN'S "SUNNY SIDE" 127 B

CLIMBER COLLECTION FOR 1918

Each plant is suitable for planting in full sunlight.

- Bignonia (Trumpet Creeper).
- Matrimony Vine.
- Clematis (Japanese Clematis).
- Ampelopsis (Virginia Creeper).
- Honeysuckle, Hall's.
- Wistaria Magnifica.

1 each: All strong 2 yr. plants for \$1.80; by express at buyer's expense.

Special Purpose Climbers

Climbers for Shady Places, Aristolochia Siphon, Celastrus, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis, all large flowering types such as C. Jackmanii, Henryii, etc., Ampelopsis Veitchii (Boston Ivy).

Climbers for Eastern Aspect, Ampelopsis Engelmani, Cinnamon Vine, Matrimony Vine.

Ornamental and Flowering Trees and Shrubs



THE planting of shrubs, or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywhere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late fall when most of them display their bright colored leaves, to be followed by the red berries of many during the winter months.

- A denotes shrubs which attain 9 to 12 feet in height at maturity.
- B denotes shrubs which attain 5 to 8 feet in height at maturity.
- C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

No Trees, Shrubs or other perishable stock are sent C. O. D.

Ask for Pamphlet
"Planting Suggestions"
Useful advice FREE

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R.R.), two blocks South of 47th Street, the continuation of East Boulevard.

SHIPPING DIRECTIONS. Shrub orders amounting to \$5.00 and over include prepayment either by express or freight, within limits of Chicago. otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 3 and 12 of a kind.

Each	3 for	Dozen	Each	3 for	Dozen
20c	\$.050	\$2.00	60c	\$1.70	\$6.60
25c	.65	2.50	65c	1.85	7.20
30c	.80	3.00	70c	2.00	7.50
35c	1.00	3.50	75c	2.15	8.00
40c	1.10	4.00	80c	2.25	8.50
45c	1.25	4.50	85c	2.40	9.00
50c	1.40	5.00	90c	2.50	9.50
			\$1.00	2.90	11.00

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early spring
Double Pink or Double White, 2 to 3 ft., 60c; 2 to 4 ft., 85c.

ALTHEA FRUTEX (Rose of Sharon) (A)

A free-flowering scrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. It requires protection and should be planted only in the spring.

- Double White, Pink or Red, 2 to 3 ft., 45c; 3 to 4 ft., 60c; 4 to 5 ft., 75c.
- Double Pink or Red, tree form, 4 to 5 ft., 75c.
- Single Blue, bush form, 2 to 3 ft., 45c.

AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., 45c.

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Pentaphylla. (B.) A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five-lobed. 2 to 3 ft., bushy, 40c; 3 to 4 ft., bushy, 50c.

Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.

Canescens (Lead Plant). A small native shrub bearing light purple flowers in June. 2-year bushy, 50c; 3-year bushy, 60c.

Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, 50c; 3-year, 60c.

BERBERIS (Barberry)

Hardy shrubs with thorny branches, thriving in most any kind of soil. They are of inestimable value in the plantations, both on account of the profuse and highly colored fruits and the gorgeous colors of the autumn foliage.

Heteropoda. A handsome and very distinct species. Flowers orange-yellow and fragrant. The foliage is a beautiful dark blue and has a glaucous bloom covering. A really beautiful shrub. Grows 3 to 6 ft. high. A comparatively recent introduction. 2 to 2½ ft., extra bushy, 50c.

Illicifolia (Holly-leaved Barberry). (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 1½ to 2 ft., 75c; 2 to 2½ ft., \$1.25; 3 ft. Specimens, \$1.50. These prices are for stock with ball of earth and burlapped.

Japanica. In a general way this resembles the Thunbergii, which is ordinarily called Japanese Barberry, but grows taller than the latter, colors up better in fall, and it is especially recommended for winter effect on account of its beautiful red, rusty-brown bark. We recommend this variety. 2 to 3 ft., 35c; per 100, \$28.00; 3 to 4 ft., 50c; per 100, \$30.00.

BERRIED BUSHES Shrubs producing red seed pods or berries add a bright tone to homes during the winter months. Birds are also attracted by them on account of their food value. Among the better kinds to plant are **Barberries, Malus, Rhamnus, Ribes, Symphoricarpos** and **Viburnum** in the different varieties listed.

Commence spring planting as soon as the ground is soft and dry enough to dig the holes.



BERBERIS THUNBERGII

BERBERIS—Continued

Thunbergii. (Japanese Barberry.) (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of shears, a formal hedge of great density and durability.

Age	Height	Each	Three	Doz.	100
1-year	8 to 10 in.	\$.15	\$.40	\$1.25	\$ 8.00
2-year	12 to 15 in.	.20	.50	2.00	10.00
3-year	18 to 24 in.	.30	.80	3.00	22.00
4-year, extra bushy		.50	1.40	5.00	35.00
5-year Specimens		1.00	2.90	11.00	60.00

BUDDLEYA VARIABILIS VEITCHIANA (Summer Lilac) (B)

A very pretty shrub of spreading pendulous habit, bearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular lilac-colored flowers. Awarded First Class Certificate R. H. S., London (new). Strong plants, each 25c.

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. 1½ to 2 ft., bushy, 40c; 2 to 3 ft., bushy, 50c.

CEANOTHUS AMERICANUS (Jersey Tea) (B)

A small shrub with a profusion of white flowers in crowded panicles, in June. One of the best shrubs for growing in shady places. 1 ft., 50c.

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to the sun. 1½ to 2 ft., 40c; 2 to 3 ft., 60c.

CERASUS (Flowering Cherry) (A)

With but a few exceptions there are none of the Spring flowering shrubs that excel these in beauty when covered with their wealth of blossoms. Plant them around the lawn, near walks, or other conspicuous places where they can be admired by everybody.

Padus (Bird Cherry) Bears dense panicles of white flowers in early spring—a very picturesque shrub. 5 to 6 ft., Specimens, 75c.

Serotina (Wild Black Cherry). A shrub or small tree, covered with white blossoms in Spring, in long loose racemes; purplish black fruit in Autumn. Long narrow leaves. 1½ to 2 ft., 35c; 3 to 4 ft., 50c.

CHIONANTHUS VIRGINICA (White Fringe Tree) (A)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 feet. 1½ to 2 ft., 50c; 2 to 3 ft., 60c.

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A sturdy compact shrub, usually attaining a height of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy white, fragrant, in erect or pinacled racemes. A grand flowering shrub. Thrives in moist loamy soil. 1½ to 2 ft., 50c; 2 to 3 ft., 60c.

CORCHORUS (Kerria) (B)

(The Globe Flower or Japanese Rose)

Japonica. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ to 2 ft., bushy, 50c.

Japonica Argentea Var. (B) A pretty dwarf variety with small, green foliage edged white, slender grower. A valuable dwarf shrub. 1 ft., bushy, 50c.

Japonica Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1½ ft., bushy, 50c.



BECHTEL'S DOUBLE-FLOWERING CRAB

CORNUS (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and water side planting.

Alternifolia. (Blue Dogwood) (B) A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., bushy, 50c.

Mascula. (Cornelian Cherry). (B). One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries 1½ to 2 ft., 35c; 2 to 3 ft., bushy, 45c; 3 to 4 ft., bushy, 60c.

Sanguinea. (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft., extra bushy, 40c; 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., 60c; 5 to 6 ft., Specimens, 75c.

Sibirica. (Siberian Red Osier) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy.

Height	Each	Three	Doz.	100
1½-2 ft.	\$0.30	\$0.80	\$3.00	\$20.00
2-3 ft. bushy	.40	1.10	4.00	30.00
3-4 ft. extra bushy	.50	1.40	5.00	35.00
4-5 ft. " "	.60	1.70	6.60	40.00
Specimens 5-6 ft. " "	1.00	....	10.00	....

Stolonifera. (Red Osier Dogwood). May. Spreading habit; dark red bark and white berries. A very hardy shrub. 3 to 4 ft., bushy, 50c; 4 to 5 ft., bushy, 60c.

Stolonifera Aurea. (Golden-twigged Osier) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., extra bushy, 40c; 3 to 4 ft., extra bushy, 50c.

CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 4 to 5 ft., extra fine, \$1.75; 5 to 6 ft., Specimens, \$3.00 to \$4.00; 6 to 7 ft. Specimens, \$5.00.) See also *Malus Floribunda*.)

Selection of Shrubs for Hedges

- Bushy Honeysuckle, Hadranges, Paniculata Grandiflora,
- Japan Barberry, Japan Pincee, Lilacs, Privet Itoya and Amoor,
- Rhamnus Cathartica, Ribes Alpinum, Rosa Rugosa, Spiraea
- Anthony Waterer, Spiraea Burnalds, Spiraea Van Houttei.



CALYCANTHUS (Sweet Shrub.)

**DEUTZIA—Pride of Rochester****CRATAEGUS (Hawthorn)**

Carrieri. Foliage dark, glossy green; fruit large, dark red, showy and hangs to tree long into the winter. 4 to 5 ft., 75c.

Crus Galli. (Cockspur Thorn.) (C.) A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. 2 to 3 ft., bushy, 50c; 3 to 4 ft., bushy, 60c; 4 to 5 ft., Specimens, \$1.00.

CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) (B.) A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., bushy, 35c; per 100, \$25.00; 2 to 3 ft., extra bushy, 50c; per 100, \$30.00; 3 to 4 ft., bushy, 60c; per 100, 40.00; 4 to 5 ft. Specimens, 75c.

Maulei. A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hardy shrub. 2 to 3 ft., 50c; doz., \$6.60.

Rubra Grandiflora. Deep crimson flowers, with very showy fruit. 3 to 4 ft., Specimens, 60c; doz., \$6.60.

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, 40c; doz., \$4.00.

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardiness, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Gracilis. (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 12 to 18 ins., extra bushy, 35c; doz., \$3.50.

**EUONYMUS—Alatus****FORSYTHIA INTERMEDIA****DEUTZIA—Continued**

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 1½ to 2 ft., bushy, 30c; 3 to 4 ft., bushy, 50c; 4 to 5 ft. Specimens, 60c.

DIERVILLA. See Weigelia.

DOGWOOD. See Cornus.

ELDER. See Sambucus.

ELEAGNUS (Silver Thorn)

Angustifolia. (Russian Olive.) (B.) A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 1½ to 2 ft., 30c; 2 to 3 ft., extra bushy, 45c; 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., extra bushy, 60c; 6 to 7 ft., Specimens, 75c.

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush.) (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 2 to 3 ft., extra bushy, 75c; 3 to 4 ft., extra bushy, \$1.25; 4 to 5 ft. Specimens, \$2.00; 5 to 6 ft. Specimens, \$4.00 to \$6.00; 6 to 7 ft. Specimens, \$6.00, to \$7.00.

Europaeus. (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 3 to 4 ft., 60c.

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes on light and wiry branches that bend beneath their load of bloom. Hardy. May. 2 to 3 ft., bushy, 50c; 3 to 4 ft. 60c; 4 to 5 ft., 75c.

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago Parks. They should be planted where they will receive the full benefit of early spring sunshine.

Fortunei. (Fortune's Forsythia.) (B.) A tall shrub with slender arching branches, of garden origin. Leaves, simple or three-parted, dark green and lustrous. Flowers golden yellow, borne in great profusion. Grows 8 to 10 feet high. Very floriferous. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c.

Intermedia. Flowers bright yellow, glossy green foliage. 2 to 3 ft., extra bushy, 35c; 3 to 4 ft., extra bushy, 45c; 4 to 5 ft., extra bushy, 55c.

GUELDER ROSE. See Viburnum Sterilis.

GLEDITSCHIA (Honey Locust) (B)

Triacanthos. (Three-thorned Gleditschia.) A rapid growing native tree, with powerful spines and delicate foliage. Used for hedges, but very beautiful if allowed to go untrimmed. 3 to 4 ft., 40c; 5 to 6 ft., 50c.

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. One of the best for autumn bloom. 2 to 3 ft., 50c; 3 to 4 ft., 60c; 4 to 5 ft. Specimens, 75c

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn. Good for embankments or bluffs near the sea shore. 2 to 3 ft., 40c; 3 to 4 ft., 50c.



HYDRANGEA PANICULATA GRANDIFLORA

HYDRANGEA

ARBORESCENS GRANDIFLORA "SNOWBALL" (C)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., extra bushy, 50c; 3-yr., extra bushy, 60c.

Cinerea Sterilis. (Hills of Snow.) Very similar to the preceding, but leaves are silvery white underneath. Very hardy, 2 year, 50c; 3 year, 60c.

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

Each	Three	Doz.	Each	Three	Doz.
1-year, heavy	35c	\$1 00	\$3 50	3-year, heavy	50c 1 40 5 00

(Tree Form) (A)

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. Extra selected, 2 ft. stem, 75c; 2½ ft. stem, 85c.

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Ciliatum Small Japanese shrub with pointed elliptical leaves, white flowers followed by black berries the size of a pea. 2 to 3 ft. bushy, 35c; per 100, \$20.00; 3 to 4 ft. extra bushy, 40c; doz., \$4.00.

Ligustrum Amurensis. (Amor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

Height	Each	Three	Doz.	100
1½ ft., bushy	\$.25	\$0.65	\$2.40	\$15.00
1½ to 2 ft., bushy	.30	.80	3 00	20.00
2 to 3 ft., extra bushy	.35	.90	3.50	22.50
3 to 4 ft., extra bushy	.40	1.10	4.20	25.00
4 ft. Specimens	.50	1.10	5.00	....

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

Height	Each	Three	Doz.	100
12 to 18 in	\$.20	\$0.50	\$2.00	\$12.00
18 to 24 in	.25	.65	2.50	16.00
2 to 3 ft., bushy	.35	1.00	3.50	20.00
3 to 4 ft., extra bushy	.40	1.10	4.00	30.00
4 ft. Specimens	.60	1.70	6.60	....

Ovalifolium. (Californian Privet.) (B.) Large, broad leaves, and one of the best of all privets but not hardy in vicinity of Chicago. Those residing in Southern states should use it. (Best planted in Spring).

Height	Each	Three	Doz.	100
1½ to 2 ft.	\$.20	\$0.40	\$1.50	\$12.00
2 to 3 ft.	.20	.50	2.00	14.00

Regelianum. (Prostrate Privet.) (B) This beautiful graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 1½ to 2 ft., 20c; per 100 \$14.00; 2 to 3 ft., bushy, 35c; per 100, \$20.00; 3 to 4 ft., 40c.

Vulgare. (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental. 2 to 3 ft., 30c; 3 for 85c; doz., \$3.00; per 100, \$20.00.



PRIVET HEDGE

LILAC (True Syringa) (B)

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 2 to 3 ft., 50c; 3 to 4 ft., 60c each.

Belle de Nancy. Large spikes of very double flowers of a lovely, pure pink color. 2 to 3 ft., 75c; 3 to 4 ft., \$1.00.

Bertha Dammann. Magnificent pure white flowers. 1½ to 2 ft., 35c; 3 to 4 ft., 60c each.

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 1½ to 2 ft., 40c each; 2 to 3 ft., extra bushy, 50c.

Congo. Large spikes, with beautiful, dark red flowers. 2 to 3 ft., 60c.

Doyen Keteleer. Large pale lavender spikes. 2 to 3 ft., 75c each; 3 to 4 ft., \$1.

Emodi. Of compact growth with beautiful, large, leathery leaves, flowers light lilac, blooms in June. 2 to 3 ft., 60c.

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through. 2 to 3 ft., 40c; tree form, 4 to 5 ft., \$1.00.

Jeanne d'Arc. Large panicles of pure white flowers. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.

Jules Ferry. Double, broad voluminous thyrsus, full wrinkled flowers, silvery mauve, buds carmine rose. Late flowering variety. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

Leon Gambetta. Large, full pyramidal spikes of pure purple, opening pale mauve. 2 to 3 ft., \$1.00.

Mad. Casimir-Perier. This is the best, double white lilac; immense, compact spikes of double white flowers. 1½ to 2 ft., 75c; 2 to 3 ft., \$1.00.

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., 45c; 3 to 4 ft., 60c.

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. ½ to 2 ft., 40c; 2 to 3 ft., bushy, 50c; 3 to 4 ft., extra bushy, 60c.

Michael Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 2 to 3 ft., 45c; 3 to 4 ft., 60c.

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., 45c.

President Grey. Flowers double, large handsome blue trusses. 2 to 3 ft., 60c; 3 to 4 ft., 75c.

Souvenir de Ludwig Spaeth. A distinct and most beautiful variety having immense trusses of deep purple-lilac with enormous flowers. 1½ to 2 ft., 40c; 2 to 3 ft., 50c; 3 to 4 ft., 65c.

Toussaint l'Ouverture. Single, very deep purple flowers, 1½ to 2 ft., 50c.

(continued on next page)



LILAC—Marie Legraye



PHILADELPHUS GRANDIFLORUS

LILACS—Continued

Vulgaris Purpurea. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

Height	Each	Three	Doz.	100
12 to 18 inches	\$0.20	\$0.50	\$2.00	\$12.00
1½ to 2 ft.	.25	.65	2.50	15.00
2 to 3 ft.	.35	1.00	3.60	25.00
3 to 4 ft., extra bushy	.45	1.25	4.50	35.00
4 to 5 ft., extra bushy	.60	1.70	6.00	40.00

Vulgaris Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes, 2 to 3 ft., 40c each; 3 to 4 ft., 50c.

LINDERA BENZOIN (Spice Bush)

An early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 2 to 3 ft., 50c.

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Well adapted for rock-gardens. 2 to 3 ft., 35c.

Bella Candida. A fine variety, producing fruit of red color in great profusion 2 to 3 ft., bushy, 40c.

Morrowii. (Japanese Bush Honeysuckle) (B.) A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries; 2 to 3 ft., 35c; 3 to 4 ft., extra bushy, 40c.

Tartarica Tartarian (Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

Tartarica Alba (White Tartarian) (B.) 2 to 3 ft., 40c; 3 to 4 ft., 50c.

Tartarica Rosea (Pink Tartarian) (B.) 2 to 3 ft., 40c; 3 to 4 ft., 50c; per 100, \$25.00.

Virginalis Alba. White flowers, resembling T. Alba. 2 to 3 ft., 35c; 3 to 4 ft., 45c.

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stem to fall over. **Barbarum.** 2 year, 30c; 3 year, 40c.

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries that remain until winter. Bright crimson autumn foliage. 2 to 3 ft., 50c.

Bechtel's Double Flowering Crab—See p. 129.

Coronaria (Wild Crab Apple). A small tree or bush with spreading spiny branches. Leaves heartshaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. 4 to 5 ft., \$1.00.

Floribunda (Flowering Crab.) Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs. 3 to 4 ft., 50c; 4 to 5 ft., 60c; 6 to 7 ft. specimens, \$1.00.

Atro-sanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 4 to 5 ft., 60c; 6 to 7 ft. specimens \$1.00.

Spectabilis Fl. Albo Pleno. (Chinese Double White Flowered Crab.) 4 to 5 ft., 60c.

Niedwetskiana. Handsome pinkish white flowers, grand variety. 5 to 6 ft., 75c.

Schiedeckeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 3 to 4 ft. 60c.

MATRIMONY VINE—See Lycium.

MORUS (Mulberry)

Tartarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 2 to 3 ft., 25c; per 100, \$15.00; 3 to 4 ft., 35c; per 100, \$20.00; 4 to 5 ft., 50c.

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 2 to 3 ft., bushy, 50c; 3 to 4 ft., 60c.

Bouquet Blanc. Double or semi-double flowers; very floriferous. 2 to 3 ft., 40c. 3 to 4 ft., bushy, 50c.

Conquette. Branches thin and flexible. Flowers large, double, irregular, with narrow sepals, tulip-shaped; very sweet, very floriferous. 2 ft., 50c.

Coronarius Aureus (Golden leaved Mock Orange), Much prized for its bright effect. 1½ ft., bushy, 50c.

Coronarius Fl. Pl., (A.) Covered with sweet-scented double white flowers in June. 2 to 3 ft., extra bushy, 35c.

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the most free flowering of the genus. 1½ to 2 ft., 25c; 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 40c; 4 to 5 ft. bushy, 60c.

Lemoinei Erectus (B.) A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Manteau d'Hermine. Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 2 to 3 ft., bushy, 75c.

PRIVET. See Ligustrum.

PRUNUS (Plum)

Ornamental and Flowering Varieties.

Pissardi (A.) (Purple-leaved Plum.) A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 2 to 3 ft., 45c; 3 to 4 ft., 60c.

Spinosa (Blackthorn, Irish Shillelagh.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 3 to 4 ft., bushy, 40c; 4 to 5 ft., 60c.

Tomentosa. (B.) This shrub covers itself in early spring with pink blossoms and in early fall it produces an abundance of red cherry-like fruit, edible by man and beast, and much sought after by birds. 3 to 4 ft., 40c; 4 to 5 ft., extra bushy, 60c.

Triloba (B.) (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. Bush form, 2 to 3 ft., 50c; 3 to 4 ft., extra bushy, 75c; Tree form, 2½ ft. stem, \$1.50; 3 ft., stem \$1.75.

PTELEA Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft. 35c; 3 to 4 ft., 45c; 4 to 5 ft., 60c. Specimens, 60c.

RHAMNUS (Buckthorn)

Catharticus. (A.) A fine, robust shrub, with dark green foliage, white flowers and small, black fruit. A popular hedge plant. 2 to 3 ft., each 20c; per 100, \$15.00; 3 to 4 ft., 35c; per 100, \$20.00; 4 to 5 ft., 45c; per 100, \$30.00. Specimens, 75c; 7 to 8 ft. Specimens, 90c.

Fragula. (Alder Buckthorn) (B.) A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches sparkle in winter. 3 to 4 ft., 40c; 4 to 5 ft., 60c.



SNOW BERRY
(See Symphoricarpus)



PUSSY WILLOW (Salix Discolor.)



RHUS CONTINUS (Smoke Tree)

RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., bushy, each, 40c.

RHUS (Sumach)

Aromatica (Fragrant Sumach) (C.) A low shrub with a peculiar aromatic odor when bruised. Brilliant red foliage in Autumn. 2 to 3 ft., 45c.

Copallina (Dwarf or Shining Sumach) (D.) Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 2 to 3 ft., 50c.

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves. Flowers pale purple, borne in loose panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect which gave to the plant its common name. A highly ornamental object. In autumn the foliage assumes brilliant tones of red and yellow. 2 to 3 ft., 40c.

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 3 to 4 ft., 40c; 4 to 5 ft., 50c.

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., 45c.

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 3 to 4 ft., 35c; 4 to 5 ft., 45c.

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and turns a golden yellow in the fall. Attains a height of 20 ft. 2 to 3 ft., 40c; 3 to 4 ft., 50c.

RIBES OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 2 to 3 ft., extra bushy, 45c; 3 to 4 ft., extra bushy, 60c.

Aureum (Yellow-flowering, or Missouri Currant.) (B.) A native shrub with glabrous shining leaves and yellow sweet-scented flowers in June. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 40c.

ROBINIA (Acacia)

Hispidia (Hairy Locust). A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 2 to 3 ft., 75c.

Pseud-acacia (False Locust). A tree with a comparatively narrow crown. Leaves compound, bright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shrub border. 3 to 4 ft., 35c; 4 to 5 ft., 40c; 5 to 6 ft., 45c.

ROSA (Rose)

Elanda. (Meadow Rose.) Pink flowers followed by red berries. Very ornamental in winter. 2 yr., 30c.

Carolina. Very similar to above. 2 yr., 30c; 3 yr., 35c.

Lucida. Single bright pink flowers, with bright red bark and berries in winter. 2 yr., 30c.

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 yr., 30c; 3 yr., 40c; 4 yr., extra selected, 50c.

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2 yr., bushy, 35c; 3 yr., extra bushy, 50c.

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble-leaved rose. 2 yr., 35c; 3 yr., 40c.



SPIRAEA OPULIFOLIA (Ninebark)

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast. Make attractive clumps in neighborhood of ponds and streams.

Aurea. An exceedingly ornamental shrub or small tree with bright golden bark. 3 to 4 ft., 35c; per 100, \$18.00; 4 to 5 ft., 50c; per 100, \$25.00.

Britzensis. Of particular beauty in winter; the color of the bark changes with the approach of cold weather, taking on a flame or bronze color, and this is maintained until spring. Very effective when the ground is covered with snow. 3 to 4 ft., 40c; 4 to 5 ft., 50c.

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 3 to 4 ft., 30c; per 100, \$20.00; 4 to 5 ft., extra bushy, 40c; 5 to 6 ft., 50c.

Laurifolia. (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark-green leaves; admirable for sea shore and narrow streets. 2 to 3 ft., 30c.

Viminalis (Common Osier). Very vigorous; red bark. This is the best willow for tying. 2 to 3 ft., 25c; per 100, \$15.00; 3 to 4 ft., 35c; per 100, \$18.00; 5 to 6 ft., 45c; per 100, \$25.00; 7 to 8 ft., 60c.

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for water-side and border planting.

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., 35c; 3 to 4 ft., extra bushy, 40c; 5 to 6 ft., Specimens, 50c.

Nigra Laciniata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 2 to 3 ft., 35c; 3 to 4 ft., 45c.

Racemosa. Attractive red berries in summer. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

SHAD BUSH. See Amelanchier. **SNOWBERRY.** See Symphoricarpos.

SILVER THORN. See Eleagnus. **SWEET BRIAR.** See Rosa Rubiginosa.

SMOKE TREE. See Rhus Cotinus. **SWEET SHRUB.** See Calycanthus.

SNOWBALLS. See Viburnum.

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 ft., extra bushy, 35c; 1 1/2 ft., extra bushy, 50c.

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 2 to 3 ft., extra bushy, 45c.

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 2 to 3 ft., 35c; 3 to 4 ft., 50c.

Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1 ft., extra bushy, 50c.

There is nothing that will add to the beauty and value of the home so much as well selected, judiciously planted shrubs, and considering their very moderate cost and the fact that they last forever when properly cared for, is the best reason why they should surround every home. We shall always be pleased to make suggestions as to the best varieties to plant for certain purposes or locations.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is never moved from the cutting beds until sold.



SPIRAEA—Van Houttei (Bridal Wreath)

SPIRAEA—Continued

- Opulifolia.** (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 50c; 4 to 5 ft., extra bushy, 60c; 5 to 6 ft., Specimens, 60c; 6 to 7 ft., Specimens, 75c.
- Opulifolia aurea.** (Golden-leaved Nine Bark.) (B.) Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2 to 3 ft., 35c.
- Sorbifolia.** (B.) A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July. 2 to 3 ft., extra bushy, 35c.
- Thunbergii.** (Thunberg's Spiraea.) (B.) Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow 1½ to 2 ft., bushy, 35c.

Van Houttei (Bridal Wreath). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height	Each	Three	Doz.	100
1½ to 2 ft.	\$0.25	\$0.65	\$2.40	\$12.00
2 to 3 ft. ....	.35	1.00	3.60	15.00
3 ft. bushy.....	.50	1.40	5.00	30.00
3-4 ft " .....	.60	1.70	6.60	45.00
4-5 ft extra bushy	.75	2.15	8.00	.....

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

- Racemosus.** (Snowberry.) (B.) A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. 2 to 3 ft., bushy, 35c; 3 to 4 ft., extra bushy, 50c.
- Vulgaris.** (Coral-Berry or Indian Currant.) (B.) A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, 35c; 3 to 4 ft., bushy, 40c.

TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubby borders, and valuable for seaside.

- Amurense.** A splendid hardy variety, with silky pink tassels; flowers all summer. 1½ to 2 ft., 30; 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 60c; 5 to 6 ft., 75c.
- Hispida Aestivalis.** A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 2 to 3 ft., 40c; 3 to 4 ft., 50c; 4 to 5 ft., 60c.

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

- Carlesii.** A dwarf compact shrub, bearing large corymbs of white blossoms, of a strong delicious fragrance, quite surpassing any shrub we know of, and equal to that of a Bouvardia. Very rare. 1½ ft., extra bushy (balled and burlapped). \$1.50.
- Dentatum.** (Arrow Wood.) (B.) May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 3 to 4 ft., extra bushy, 50c; 4 to 5 ft., Specimens, 75c; 5 to 6 ft., Specimens, \$1.00.
- Lantana.** (Early white Lantana-leaved Viburnum.) (A.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 2 to 3 ft., 45c; 3 to 4 ft., bushy, 60c.
- Lentago.** (Sheep Berry). Bright green leaves and yellowish white flowers—deliciously scented; black oval berries. 3 to 4 ft., 50c.



WEIGELIA ROSEA

VIBURNUM—Continued

- Molle.** (Glossy Viburnum). A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 4 to 5 ft., extra bushy, 75c. 5 to 6 ft., Specimens, \$1.00.
- Opulus.** (High Bush Cranberry.) (A.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 1½ to 2 ft., 30c; 2 to 3 ft., bushy, 35c; 3 to 4 ft. extra bushy, 50c; 4 to 5 ft. extra bushy, 75c; 5 to 6 ft., Specimens, \$1.00.
- Opulus Sterilis.** (The old fashioned "Snowball Tree.") Large balls or globes of white flowers Well known. 2 to 3 ft., 35c; 3 to 4 ft., 45c.
- Pyrifolium.** (Pear-Leaved Viburnum.) Flowers white and fragrant, blooming about two weeks later than other varieties. 2 to 3 ft., 50c; 3 to 4 ft., bushy, 60c.

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

- Amabilis.** Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 2 to 3 ft., 40c; 3 to 4 ft., extra bushy, 50c.
- Candida.** White Weigelia, flowering throughout the summer. Unique and very attractive. 2 to 3 ft., 40c; 3 to 4 ft., 50c.
- Eva Rathke.** A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all the Weigelias. 2 to 3 ft., 35c; 3 to 4 ft., 50c.
- Floribunda.** Fine variety, flowers dark red. Profuse bloomer, 2 to 3 ft., 35c.
- Nana Variegata.** (C.) One of the most conspicuous shrubs; leaves beautifully margined creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 1½ to 2 ft., 35c; 2 to 3 ft., 50c.
- Rosea.** A beautiful shrub, with rose-colored flowers. 2 to 3 ft., 35c; 3 to 4 ft., bushy, 50c.

—Selection of Shrubs for Hedges.—

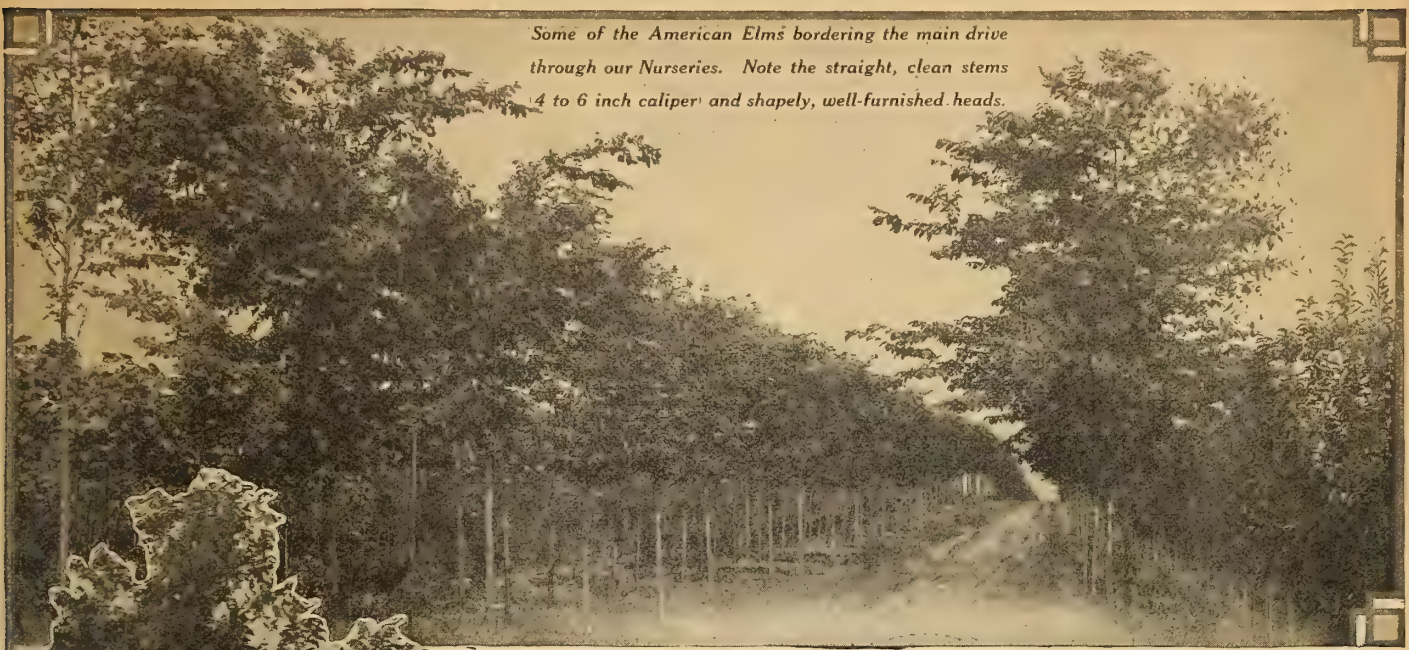
Bush Honeysuckle, Hydrangea, Padiculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibotia and Amoor, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda Spiraea Van Houttei.

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.



VIBURNUM OPULUS (High Bush Cranberry)

Some of the American Elms bordering the main drive through our Nurseries. Note the straight, clean stems 4 to 6 inch caliper and shapely, well-furnished heads.



Ornamental Trees

At our Nurseries, Western Spring, Ill., we have one of the largest and finest collection of Shade and Ornamental Trees in the Middle west. We wish space in this book would allow us to reproduce a picture of every variety and size that we have from the large blocksof Elms, Maples, Poplars, etc., etc., to the matured and shapely 20 and 30 ft. specimens, perked beauties for the lawns and drives of the finest estates. We cordially invite landscape gardeners, andowners and superintendents of private grounds to come and inspect our stock, make selections, and we will reserve such stock for shipment at the proper time.

All trees 10 feet high or over must be shipped by freight. For other shipping instructions see page 38. Our Nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.) two blocks south of 47th Street on the continuation of East Boulevard. Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting. 5 to 6 ft., 50c.; 6 to 7 ft., 60c.; 10 to 12 ft., 2½ in. cal., \$3.00; 10 to 12 ft., 3 in. cal., \$4.50; 12 ft., 4 in. cal., \$6.50.

Excelsior. (European Ash.) A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. It thrives in moist ground. 10 to 12 ft., 2½ inch cal., \$3.50; 12 ft., 3 inch cal., \$5.00; 12 ft., 4 inch cal., \$6.50.

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 5 to 6 ft., 50c.; 7 to 8 ft., 65c.; 12 ft., 2 inch cal., \$3.00; 12 ft., 3 inch cal., \$4.50.

BOX ELDER (Ash Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 6 to 8 ft., \$1.00.

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects.

Height	Each
5 ft. stem, 2 year head	\$2.50
5 ft. stem, 3 year head	2.50
6 ft. stem, 2 year head	3.00
6 ft. stem, 3 year head	3.50

Kaempferi. (Japanese Catalpa.) A species of rapid growth, with deep green, glossy foliage. Two weeks later than Syringae-folia. 5 to 6 ft., 50c.; 6 to 7 ft., 75c.; 12 ft., 2 to 2½ in. cal., \$2.50; 12 to 14 ft., 2½ in. cal., \$4.00; 12 to 14 ft., 3 in. cal., \$4.00; 12 to 14 ft., 3½ in. cal., \$5.00.

A 40-ft. Elm at our Nurseries; perfect in shape and stem. Immediate effect is produced by planting such specimens on newly made grounds. 14 ft., 2 to 2½ in. cal., \$3.00 each; 12 to 14 ft., 2½ in. cal., \$3.50.

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 5 to 6 ft., 50c.; 6 to 7 ft., 60c.; 10 to 12 ft., 2½ inch cal., \$2.50; 3 inch cal., \$3.00; 12 to 14 ft., 3½ in. cal., 12 ft., 2 to 2½ in. cal., \$2.50; 10 to 12 ft., 3 inch cal., \$3.50. 12 ft., 3½ to 4 inch cal., \$5.00.

Syringae-folia. (Common Catalpa.) Native of the Southern States. A showy rapid-growing, spreading, irregular tree, with very large, heart shaped leaves. 5 to 6 ft., 50c.; 6 to 7 ft., 60c.; 7 to 8 ft., 75c.

ELM (Ulmus)

American. The ideal street tree. We offer shapely trees.

Height	Caliper	Each
8 to 10 ft.		\$ 80
10 to 12 ft.	1½ to 2 in.	2 25
10 to 12 ft.	2 to 2½ in.	3 60
10 to 12 ft.	3 in.	\$4.00 to 5.00
12 to 14 ft.	4 in.	\$8.00 to 10.00
12 to 15 ft.	6 in. cal.	\$18.00 to 22.00
14 to 16 ft.	7 in. cal.	\$22.00 to 30.00
14 to 16 ft.	8 in. cal.	\$35.00 to 40.00

Write for prices on larger lots and sizes.

Campestris Dampieri, 10 ft., Pyramids, \$2.00 ea.

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 6-year heads, \$20.00 each.

English Elm. (U. Campestris.) Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree. 10 to 12 ft., 2 inch cal., \$3.50; 10 to 12 ft., 2½ inch cal., \$4.00; 12 to 14 ft., 2½ inch cal., \$5.00; 12 to 14 ft., 3 in. cal., \$6.00; 12 to 14 ft., 4 inch cal. \$6.50.

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 8 to 10 ft., \$1.50 each.

Monumental Elm. (U. Campestris Monumentalis.) A slow growing variety forms a straight dense column reminding one of a Lombardy Poplar. Very distinct and beautiuff. 8 to 10 ft., \$2.00 each; 10 to 12 ft. \$4.25; 12 ft., Specimens, \$6.00.

Purpurea. (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances. 12 ft., 3 inch cal., \$5.00 each; 12 to 14 ft. to 4 inch cal. \$7.50.

Scotch Elm. (U. Campestris Latifolia.) A robust tree with large leaves. One of the best shade trees; highly colored until late autumn. 8 to 10 ft., \$1.50; 10 to 12 ft., 1½ inch cal., \$3.00; 10 to 12 ft., 2 inch cal., \$3.50; 10 to 12 ft., 3 inch cal., \$5.50; 4 inch cal., \$6.50; 12 ft., 4½ inch cal., \$7.50.

EARLY PLANTING. It is wrong to imagine, as many do, that tree transplanting commences with the spring bursting of the buds. Commences as soon as the ground is soft and dry enough to dig the holes. regardless of temperature. The trees can then get rooted before real warm weather arrives.

Ornamental Trees—Continued

GINGKO BILOBA (Maidenhair Tree)

THE value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds. 4 to 5 ft., 75c; 5 to 6 ft., \$1.00; 6 to 7 ft., \$1.50; 8 to 10 ft., \$3.50

JUDAS TREE (Red Bud)

Cercis Canadensis. It blooms in early spring. Its masses of small delicate rosy flowers wreath the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., \$1.00.

LINDEN (Tilia)

Americana. (American Linden.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. 8 to 10 ft., \$1.60.

Crimean Linden. (T. Dasystyla.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark lustrous green, turning yellow and brown in autumn. 10 ft., 2 in. cal., \$3.00.

PLANE (Platanus)

London Plane (Orientalis.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers pendulous, the latter about one inch in diameter. A rapid-growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 5 to 6 ft., 75c; 6 to 7 ft., \$1.25; 7 to 8 ft., \$1.50.

POPLAR (Populus)

Rapid-growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

Bolleanna. A very compact upright grower, resembling the Lombardy Poplar, with leaves glossy green above and silvery beneath. 5 to 6 ft., 50c; 6 to 7 ft., 75c.

Angulata Cordata Robusta. (New.) A remarkable tree of compact and pyramidal shape. Very distinct from any other poplars. Suitable for shade or ornamental purposes. Much better than P. Carolina and is rarely attacked by the borer. The branches are plum-like, which give a graceful appearance. Strong, robust grower and very hardy. 8 to 10 ft., 1½ in. cal., 75c; each; 10 to 12 ft., 2 to 2½ in. cal., \$1.50.

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., 35c. each; per 100, \$20.00; 8 to 10 ft., 1½ in. cal., 60c; 10 to 12 ft., 2 in. cal., \$1.50; Write for prices on larger sizes, or better still, try and visit our Nurseries and select sizes to suit.

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrated dark green, borne on flattened petioles, moving freely in the wind. 6 to 7 ft., 25c. each; per 100, \$15.00; 8 to 10 ft., 30c; per 100, \$20.00; 10 to 12 ft., 50c; per 100, \$30.00.



LOMBARDY POPLAR

The ideal tree for Screens

LOCUST (Robinia)

Pseud-acacia. (Black or Yellow Locust) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 3 to 4 ft., 35c; 5 to 6 ft., 45c.

Honey Locust (American.) (Gleditsia Triacanthus.) A tree of picturesque outline and rapid growth. Thrives on very light soils. 3 to 4 ft., 30c; 4 to 6 ft., 50c.

MAPLE (Acer)

Geneva. A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until leaves fall. 5 to 8 ft. 2½ in. cal., \$4.00; each.

Norway Maple. (Platanoides.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Its compact habit and vigorous growth render it one of the most desirable. 8 to 10 ft., \$2.00 each; 2 in. cal., \$3.00; 10 ft., 2½ in. \$4.00; 10 to 12 ft., 3 in. cal., \$6.00.

Schwedleri (Schwedler's Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics as the Norway Maple. 8 to 10 ft., \$2.25 each; 8 to 10 ft. 2 in. cal., \$3.25.

Silver Maple. (Dasycarpum.) Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting. 6 to 8 ft., 80c; 8 to 10 ft., \$1.00; 8 to 10 ft., 2½ in. cal., \$4.00. For larger trees write for prices.

Wier's Cut-leaved Silver Maple. (Dasycarpum Wierii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath, deeply and delicately cut. 6 to 8 ft., \$1.00; 8 to 10 ft., \$1.50. For larger trees write for prices.

MOUNTAIN ASH (Sorbus)

European Mountain Ash. A small pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 10 to 12 ft., \$1.25.

MULBERRY (Morus)

Weeping Mulberry. (M. Tartarica Pendula.) The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place of weeping willow trees. It has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south. 2 year heads \$3.00;



SCHWEDLER'S PURPLE-LEAVED MAPLE
Exquisite foliage and a valuable shade tree

TREE OF HEAVEN

Tree of Heaven. (Ailanthus Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gasses of the city. 5 to 6 ft., 60c.

WALNUT (Juglans)

Black Walnut. (J. Nigra.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 7 to 8 ft., \$2.00.

Japanese. (J. Japonica.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 4 to 5 ft., 60c.

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree. 4 to 5 ft., 50c; 5 to 6 ft., 60c.

Make Your House a Home

Don't imagine your house is finished when the plumber has finished—then commences the work of converting it into a comfortable, picturesque home for your family. Trees and shrubs play a big part in accomplishing this. **Plant this year if Possible.** Trees will be more expensive after the war than now.



A Block of Norway Maples at Our Nurseries

Hardy Coniferous Evergreens

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be had which will live as thick and dense foliage during the entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during the early spring, April or May, and in September.

We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain.

ABIES (Firs)

Brachyphylla. (Nikko Fir). A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 3 ft., \$4.00; 4 ft. \$5.00.

Douglasii. (Douglas, Fir). A fine rapid growing fir, for extensive planting, windbreaks, etc. or as individual specimens. A most valuable timber tree. 2 ft. \$1.00; 3 ft., \$1.50 each.

JUNIPERS AND CEDARS

Canadensis. (Canadian Juniper). Of low spreading, irregular form with foliage of light green. Valuable for rockeries and slopes. 4 ft., \$5.00; 5 ft., \$6.00 each.

communis Hibernica. (Irish Juniper). Now becoming one of the best-known and most popular forms of our common Juniper. Of uniform, rapid growth, requiring but little trimming. 1 ft., 75c; 2 ft., \$1.25.

japonica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 1½ ft. by 1½ ft., \$1.50 each.

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft. Specimens, 5 ft. \$10.00; 5 to 6 ft. Specimens, \$15.00 to \$18.00; 7 ft. Specimens, \$20.00 to \$30.00; 8 ft. Specimens, \$40.00 each.

Sabina. (Cedar or Savin). A dwarf spreading evergreen, with trailing branches suitable for rock work. 18 by 18 inch, each, \$2.50.

Virginiana (Red Cedar.) A rapid, erect grower, with bright rich green foliage. 12 to 18 inch, 50c; 18 to 24 inch., 75c each.

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, where the golden bronze of the young growth is contrasted with the dark green of the older. 2½ ft., \$3.00; 3 ft., \$3.50; 4 ft., \$4.00 each.

Virginiana Glauca. (Blue Virginia Cedar). A vigorous growing variety, with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 2½ ft., \$1.75; 3 ft., \$2.25.

Virginiana Schottii. Best of all the upright green Junipers; fine pyramidal form with foliage of a peculiar bright green. 2½ ft., \$2.25; 3 ft., \$2.50; 4 ft. \$3.00 each.

PINUS (Pines)

Austriaca. (Austrian Pine). A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 2 ft., \$2.00; 3 ft., \$4.00 each.

Aughas. (Dwarf Pine). A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown, grayish tinge. 8 by 8 inches, \$1.20; 12 to 15 inches, \$2.50; 1½ to 2 ft., \$4.00.

Strobus. (White Pine). A very beautiful and graceful pine, regular in form with dark green foliage, growing quite tall, surmounted by a symmetrically formed crown. 2 to 3 ft., 85c, 3 to 4 ft., \$1.50; 4 to 5 ft. \$2.50.

PICEA (Spruce)

Excelsa. (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 1 to 1½ ft., 40c; 2 ft., 60c; 3 ft., \$1.25; 4 ft., \$1.75; 5 ft., \$3.00 each.

Excelsa Nigra. (Black American Spruce). A small or medium size tree; a native of North America, of great hardiness, and particularly useful for planting in the Northern States. 1½ to 2 ft., 40c; 2 ft., 75c each.

Omorika. (Servian Spruce). A distinct and remarkably ornamental species of dense growth, with narrow outline, having shiny leaves of dark green with white lines above. 4 ft., \$4.00; 5 to 6 ft., \$5.00 each.



JUNIPERUS PFITZERIANA
A graceful specimen for Lawn or Mixed Border.

Koster's Blue Spruce

Pungens Glauca Kosteriana (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock. The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
18 in.....	\$4.00	5 to 6 ft....	18.00 to 30.00
2 to 2½ ft....	\$4.00 to 5.00	6 to 7 ft....	20.00 to 35.00
3 ft.....	5.50	8 to 10 ft....	50.00 to 75.00
4½ ft.....	\$10.00 to 12.00		

Pungens Glauca (Colorado Blue Spruce). Similar to but not so blue and dense as the preceding. 1 ft., 40c; 1½ ft., 60c.

LARIX (Larch)

Europaea. (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00 each.

TAXUS (Yew)

Cuspidata. Of dwarf spreading growth, light green foliage. Very hardy. 2 ft., each, \$1.50; 3 ft., \$2.25 (Exp.).

THUYA (Arborvitae)

Occidentalis. (American Arborvitae). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side. 1 to 1½ ft., 35c; 1½ to 2 ft., 50c; 2 ft., 75c; 3 ft., \$1.00—if balled and burlapped 25c each extra.

Occidentalis Globosa. A round compact form, deep green foliage. Very shapely as specimens. 15 inches by 15 inches, \$1.50 each; 18 inches by 18 inches, \$2.50.

Occidentalis Rosenthalii. Hardy compact grower with dense foliage of dark green. 2 to 2½ ft., \$2.50.

Occidentalis Spiralis. Very hardy and upright growth. 3 ft., \$3.00.

Occidentalis Warriana. The hardiest of American Arborvitae, although of somewhat slower growth; it has most beautiful dense and symmetrical form with a rich dark green foliage. 1½ to 2 ft., 75c; 2 to 2½ ft., \$1.25; 3 ft., \$2.00.

THUYOPSIS

Standishi. (Japanese Arborvitae). A beautiful and attractive species with horizontal branches and bright green foliage. 2 to 2½ ft., \$1.50; 3 to 4 ft., \$2.00.

TSUGA (Hemlock)

Canadensis. (Canadian Hemlock). A tall graceful tree with drooping, spreading branches of dark green foliage. 2 to 3 ft., \$1.50; 3 to 4 ft., \$2.00.



AMERICAN ARBOR VITAE
Makes an ornamental specimen shrub, also adapted to hedge or screen planting.



We have KOSTER'S BLUE SPRUCE in all sizes from 2 to 12 ft. high.

Vaughan's Fruit Trees

THE season for planting fruit trees varies with the latitude and altitude of localities, and is really regulated by the appearance and disappearance of frost. Fall planting can be commenced about the middle of October until the ground is frozen, and the spring planting can be done as soon as the frost is out of the ground, the sooner the better. Orders should be sent in beforehand so as to have a minimum of delay; one can readily understand the work we have to get through, practically a whole year's business in three or four weeks during the latter part of March and beginning of April, and it is only fair to our customers that we should execute orders so far as possible in strict rotation.

We shall be glad to prune fruit and other trees for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height for the catalogue prices are for trees unpruned. Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects, etc., will be attached to all freight and express shipments. Prices for 3 and 12 of one kind, are the same as those on page 120.

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

APPLES

Autumn Strawberry. Red stripes, very white flesh. Bears young, 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens 8 to 10 ft., \$1.75 to \$2.00.

Baldwin. Large roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens 8 to 9 ft., \$1.75 to \$2.00.

Banana. Large clear yellow, fine quality. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 ft., \$1.75 to \$2.00.

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March. 5 to 6 ft., 65c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 to \$2.00.

Black Ben Davis. Stronger, hardier, and a better drought resister than Ben Davis; fruit large, solid, deep dark red. A very heavy cropper, and splendid shipper. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 to \$2.00.

Delicious. A remarkable variety introduced in the West several years ago where it is being largely planted and rapidly taking first rank. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper. 4 to 5 ft., 60c.

Duchess of Oldenburg. Tree, a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.50.

Early Harvest. Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. August. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00.

Gano. Similar but superior to Ben Davis. It has all the good qualities in a higher degree, more brilliant coloring, runs more even in size, and keeps fully as late. The tree is vigorous and hardy; is a rapid grower; bears while young. Color bright red without stripes or blotches, and large and even in size. Keeps until March. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 to \$2.00.

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit; favorite market variety. Nov. to April. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00.

Maiden's Blush. Rather large, smooth, with a fine evenly shaded red cheek or blush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, sub-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.50.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white, tender and juicy. A popular bright red apple largely grown in the North where hardness is required. Nov. to Feb. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 to \$2.00.

Newtown Pippin. Green Newtown Pippin. Medium, roundish; dull green, with a blush on the sunny side; flesh greenish white, juicy, crisp with a fine aroma and delicious flavor. Slow grower; requires high cultivation. Dec. to May. 5 to 6 ft., 60c; 6 to 7 ft., 75c.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. The tree should be kept open by pruning. Jan. to June. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00.

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. Does well in this vicinity. Jan. to June. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 to \$2.00.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 to \$2.00.

Rome Beauty. (Late Winter.) A large bright red apple that is tender fleshed, juicy, good quality and an A-1 cooker. Bears young, blooms late, fruit hangs firmly and can always be depended upon for a full crop. Throughout the Central West it is one of the most widely planted sorts and growers get good returns, for Rome Beauty sells well. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 to \$2.00.

Salome. Tree a strong grower; holds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.50.

Snow. (Fameuse.) Medium size, roundish, handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 5 to 6 ft., 60c; 6 to 7 ft., 75c.

Spitzenburger. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor. A moderate bearer. Dec. to Feb. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00 8 to 10 ft., \$1.50.

Tolman's Sweet. Medium, pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00.

Wagener. (Red Winter Apple.) Wagener is one of the most beautiful winter apples ever grown. It is of the highest quality, the flesh being crisp, tender and aromatic. We know of no apple possessing greater beauty or of finer quality. It succeeds well East and West. Dec. to May. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 and \$2.00.

Walbridge. Medium, handsome, striped red; flesh crisp, tender, juicy. Tree vigorous grower. Especially desirable in cold sections for its hardness and productiveness. March to June. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00.

Wealthy. The best, handsomest, most satisfactory fall apple. Largely planted throughout the United States. It is large and uniform in size, a brilliant red all over marked with stripes and splashes of deeper red. The tree grows large and symmetrical, is an enormous bearer and is hardy and thrifty. Those who prefer an apple that is tart and juicy, hold Wealthy as one of the finest apples grown. We think it almost the equal Jonathan. Wealthy trees bear extremely young and nonemore profitable earlier in life. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; 8 to 10 ft., \$1.50.

Winesap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 and \$2.00.

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with red or crimson; flesh white, half tender, juicy, pleasant, mild sub-acid, with a peculiar spicy flavor. Jan. and Feb. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75 and \$2.00.

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear, white at first, becoming a beautiful pale yellow when fully matured. July and Aug. 4 to 5 ft., 60c.

CRAB APPLES

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequalled for jelly and for vinegar, dried or preserved.

Early Strawberry. Greenish yellow, carmine stripes, good quality. 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75.

Florence. Pinkish red, faintly striped with a dark red, wherever shaded it shows a deep yellow. The flesh is yellow; crisp, tender, juicy, brisk, sub-acid. The most profitable grower. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75.

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes. 4 to 5 ft., 50c.

Transcendent. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75.

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 5 to 6 ft., 60c; 6 to 7 ft., 75c; 7 to 8 ft., \$1.00; specimens, 8 to 10 ft., \$1.75.

DWARF APPLE AND PEAR TREES

The Dwarf Apple and Pear trees come into bearing much earlier than the Standard trees. Their low, broad heads are within reach so that the fruit can be easily picked. These trees take up so little room that they can be planted in the garden, or even on the lawn, and with care will bear good crops within three or four years. The fruit is of extra high quality. Dwarf trees are secured by propagating on French imported paradise stock. We have the following list to offer:

DWARF APPLE, Snow and Yellow Transparent, 3 to 4 ft., Each, 65c.
DWARF PEARS, Duchess, Clapp's Favorite and Bartlett, 3 to 4 ft., Ea. 55c.



DELAWARE



CONCORD



NIAGARA



CAMPBELL'S EARLY

PEARS

THE soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated by cutting away the diseased limbs entirely. Thinning increases size and quality of remaining crop.

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 5 ft., 60c.

Clapp's Favorite. Resembles the Bartlett, ripening a few days earlier, hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before ripe. 4 to 5 ft., 60c.

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., 60c.

Early Harvest. Early. Good size. 4 to 5 ft., 60c.

Flemish Beauty. Large, juicy, rich, one of the hardiest. September and October. 4 to 5 ft., 60c; 5 to 6 ft., 75c.

Kieffer. Good for preserving and canning; extra large; good bearer. October. 4 to 5 ft., 60c; 5 to 6 ft., 75c. Specimens, 10 to 12 ft., \$2.00.

Koonce. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 4 to 5 ft., 60c.

Seckel. Small, yellowish brown, red cheek; best to eat out of hand, or pickle. 4 to 5 ft., 60c.

CHERRIES

Dyehouse. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June. 4 to 5 ft., 60c.

Early Richmond. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June. 4 to 5 ft., 60c; 5 to 6 ft., fine trees, \$1.35.

Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June. 4 to 5 ft., 60c.

Windsor. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., 70c.

Wragg. Claimed to be much harder than English Morello, which it closely resembles. July. 4 to 5 ft., 60c.

PLUMS

Abundance. This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., 60c.

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 4 to 5 ft., 60c.

Compass. (New.) A cross between the Sand Cherry and Miner Plum. Very prolific, the fruit being large, bright red, sweet and juicy. On account of its hardness, very desirable for Northern sections. 4 to 5 ft., 75c.

De Sota. Very hardy, bright red. September. 4 to 5 ft., 60c.

Shropshire Damson. Of fine quality; flesh is amber-colored, juicy and sprightly; seldom attacked by the curculio. 4 to 5 ft., 60c.

Wolf. Very popular, large Specimens, immensely productive. August. 4 to 5 ft., 60c; 6 to 7 ft., \$1.00.

PEACHES

The letter (F) denotes freestone variety.

Price, the following 4 to 5 ft. trees, each 50c; one each of the 6 for \$2.50.

Champion. (F) Middle of August. Fruit large, beautiful; skin creamy white, with red cheek; sweet.

Crawford's Early. (F) Large yellow, of excellent quality. Vigorous and prolific.

Crawford's Late. (F) Very large and productive, yellow; ripens about the close of the peach season.

Crosby. (F) One of the hardiest; abundant bearer, bright yellow. September.

Elberta. (F) Large, yellow; one of the leading market varieties. September.

Wonderful. Freestone peach; golden yellow, overspread with rich carmine.

QUINCE

Meech. A vigorous grower and immensely productive. This fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 4 to 5 ft., \$1.00.

Orange. Large bright yellow, fruit of excellent flavor. 4 to 5 ft., \$1.00.

CURRANTS

Plant in rich ground about 4 ft. apart, cultivate well, prune out old wood. Price, (except where noted) 2-year, each 25c; 3 for 65c; doz., \$2.50.

If to go by mail, six 2-year weigh 12 lbs., six 3-year weigh 14 lbs., dozen 2-year weigh 25 lbs., dozen 3-year weigh 26 lbs.

BOSKOOP GIANT. (Black) This famous currant of strong growth and free bearing quality, is in great demand, especially adapted for preservng.

CHERRY. A prolific red currant of excellent quality. Where well cultivated the fruit reach 1/2 inch in diameter.

FAY'S PROLIFIC. (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive.

LEE'S PROLIFIC. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. One of the best for general use.

NORTH STAR. (Red.) It is bright in color and is the sweetest and best flavored currant known. It is an early and prolific bearer.

PERFECTION. (Red.) Very large. A cross of the famous Fay's Prolific and the White Grape. A very productive variety with berries about as large as grapes, making it a valuable market sort. 2-year, each 35c; 3 for \$1.00; doz., \$3.50.

RED DUTCH. The old well known red currant. A strong, tall, upright grower. Berries medium size, dark red.

WHITE DUTCH. Large, white, exceedingly productive. A well known reliable sort.

WHITE GRAPE. Very large; yellowish white and most productive of the white varieties; mild, sweet flavor. A good table variety.

Special Offer 139B. One each of the 9 currants, 2 yr. plants for \$2.00, (exp.)

GRAPES

Price, (except where noted) 2-year, each 40c; 3 for \$1.10; doz. \$4.00; 3 year extra heavy, each, 60c; 3 for \$1.70; doz., \$6.60. If by mail, 12 weigh 14 lbs., 6 weigh 6 lbs., packed.

AGAWAM. (Red or Maroon.) Bunch usually loose, shouldered; berries large; skin thick, flesh pulpy, meaty, juicy, of a rich aromatic flavor; ripens about with Concord; a good keeper.

BRIGHTON. (Dark Red.) Bunches large; berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollenate itself. One of the best early red grapes.

CAMPBELL'S EARLY, King of American Grapes. (Black.) A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light, purple bloom; skin thick; flavor rich and sweet. Price, 2-year-old vines, each 60c; 3 for \$1.70; doz. \$6.00 (exp.); 3-year-old, each 75c, 3 for \$2.15; doz. \$8.00. (exp.)

CATAWBA. (Red.) Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

CONCORD. One of the most popular and reliable varieties grown; bunches large and compact, berries large round, almost black. Juicy and very sweet.

DELAWARE. (Red.) Bunches small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. Early and abundant bearer.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp.

MOORE'S EARLY. (Black.) Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Large size and early.

NIAGARA. (White.) Vine hardy; unusually strong grower; bunches large and compact, mostly round; fruit semi-transparent, slightly ambered, sweet to center.

WORDEN. (Black) Handsome, large, compact bunch; berries very large, skin thin; ripens five to ten days earlier than Concord.

SPECIAL OFFER

No. 139. The set of 10 grapes, 2 years, for \$3.50, (exp.)

No. 139A. The set of 10 grapes, 3-year, \$5.50, (exp.) includes the excellent Campbell grape.

STATES INTO WHICH IT IS PROHIBITED TO SHIP CURRANT OR GOOSEBERRY BUSHES

Customers resident in these States will kindly refrain from ordering these, and so save unnecessary correspondence.

Arizona, Arkansas, California, Colorado, Connecticut, Idaho, Delaware, Indiana, Iowa, Kansas, Louisiana, Massachusetts, Maine, Minnesota, Michigan, Montana, Missouri, New Mexico, Nevada, New York, New Hampshire, Oregon, Ohio, Pennsylvania, Utah, Vermont, Washington, Rhode Island, Wyoming, Wisconsin.

**VICTORY**

From photograph of a pint of berries; the berries are nearly one inch in diameter

VICTORY—The Great New Red Raspberry

Victory is a seedling of the Cuthbert, one of our best old raspberries, and resembles that grand variety. Victory has produced regularly for several seasons nearly twice as much fruit as Cuthbert, bush for bush, and acre for acre, grown in the same field, under exactly the same conditions. Victory berries are very much larger than Cuthbert and of better quality and flavor. Ripens a week ahead and continues to fruit two weeks later than Cuthbert. Victory is a money maker, fruit having sold at sixteen cents a pint box more than other varieties in the Chicago market. Price, each, 20c; 6 for \$1.00; doz., \$1.75; 100, \$10.00.

NEW EVER-BEARING RASPBERRY

ST. REGIS. Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes, while the young canes continue to bear fruit in increasing numbers until frost sets in. Awarded the highest certificate of merit by the American Institute of New York. Price, each, 12c; doz., \$1.25; 25 for \$2.00; 100, \$7.50.

BLACKBERRIES

Price, each, 12c; per doz., \$1.00; per 100, \$3.75, except where noted. If by mail, six weigh 2 lbs., dozen weigh 3 lbs., 50 weigh 11 lbs., larger quantities by express.

ANCIENT BRITON. Large berries of excellent quality, very prolific. Vigorous, healthy, and one of the hardest of all.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

HIMALAYA GIANT. New. Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on a trellis. Fruit large, black, has yielded as much as 400 crates per acre. Doz. \$1.25; per 100, \$7.50.

SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

STONE'S HARDY. Best variety for the north; fruit rich and melting. Fine flavor; very productive.

Special Offer No. 132.—12 each of the above varieties for \$2.40, (exp.)

RASPBERRIES

Price, except where noted, each 12c; 3 for 35c; doz. \$1.00; per 100 \$3.75. If by mail, six weigh 2 lbs.; dozen weigh 4 lbs.; 50, 11 lbs.; larger quantities should be expressed.

THE HERBERT RASPBERRY. Red. A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry today. Per doz. \$1.25; 25 for \$2.00; per 100, \$7.50.

COLOSSAL. (Red.) Truly colossal, plant and fruit, and iron-clad in hardness; a slightly, sub-acid flavor.

COLUMBIAN. (Red.) Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.

GREGG. (Black.) Large, heavy bearer.

KANSAS. (Black.) The best of all the Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

LOUDON. (Red.) The argest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost everbearing.

OLDER. (Black.) Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

Express Prices Signify the Purchaser Pays Express Charges.

STRAWBERRIES

Varieties marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (*) sorts are the most productive.

AUGUST LUTHER. (Early.) This is an extra early berry of value, medium size, bright in color, the shape tapering from an extreme fullness at the calyx. Will ripen ten days earlier than the Haverland, which it resembles in fruit and foliage. It can be successfully grown for marketing purposes or for family use, and it is a good shipper.

BRANDYWINE. (Late.) A berry that has truly earned the popularity it enjoys. Large, deep red fruit, and a fancy market product, thrives on almost any soil. Ripens with the medium late class. Flesh firm and red all the way through. Productiveness above the average, ships well and is one that can be depended upon to give general satisfaction to growers. Has a delicious flavor, foliage dark green, roots deep, enabling it to endure more dry weather than most varieties.

DR. BURRELL. (Mid-Season.) The berries are large delicious and beautifully formed. The surface of the berry is a deep glossy red only a trifle lighter in color than the Senator Dunlap. The meat is old and rich. Its long and heavy root system makes it a perfect drought resister. The foliage is large and of a beautiful dark green having a tough leaf tissue insuring its entire freedom from all leaf spots.

CLYDE. (Early.) The most productive variety yet introduced. Immense size. The berries are large, bright scarlet color with pink flesh of mild and pleasant flavor. A fine berry for home market.

GANDY. (Late.) This is one of the most reliable large late berries grown. It is one of the old standard varieties that you can depend upon. The fruit ripens very late, is large, dark red in color and produced in moderate amount.

GIBSON. (Mid-Season.) This is a new variety that is coming to the front very fast. Gibson commences to ripen with Senator Dunlap, but owing to its great productiveness it continues till quite late. It is a strong grower, with long roots that withstand dry weather; has dark, heavy green foliage. Berries are extra large and the vines are loaded with fruit.

KELLOGG'S PRIZE. (Mid-Season.) Remarkable for the high quality of its fruit as for its immense yields which have made it famous wherever grown. This variety fruits from mid-season to extremely late. The fruit is of high color, delicious flavor and large size, an ideal berry for the family garden or for the extensive grower. It is claimed to cover a long season and bear a little later than Sample.

KLONDYKE. (Mid-Season.) This is one of the most largely grown varieties in the United States. Acres and acres are being planted all throughout the South; it is one of the best shippers and demands top prices in the market, frequently bringing a premium over other varieties; this is largely due to its good, uniform size and unusual firmness and flavor. Klondyke is a vigorous grower and is adapted to a wide variety of soils. It is especially popular in the middle and southern states. The berries ripen evenly, and this, with its good quality, uniform size, color and firmness, make it probably the most popular berry for the middle and southern states. This, however, does not imply that it is not a valuable variety in the North also.

PRIDE OF MICHIGAN. (Mid-Season.) Fruit medium to large, of a dark glossy red color, firm and of good quality; a good producer. Good plant maker and stands drouth better than most kinds.

SENATOR DUNLAP. (Mid-Season.) One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need not hesitate to plant.

SAMPLE. (*) (Late.) Good bearer, with large roundish berries of firm flesh, bright red color. The Sample is not only one of the most beautiful late berries but one of the largest and most prolific.

UNCLE JIM. (Mid-Season.) There is no larger berry grown. It is a dark crimson and showy. It is very prolific and long season. Produces large, heavy, light colored plants which are models of growth.

Price, except where noted, doz., 30c; per 100, \$1.00 (not prepaid); per doz. 35c; 100, \$1.25 (postpaid); per 1,000, \$5.00 by express, at purchaser's expense. For Spring delivery only.

SPECIAL OFFER No. 132A A Strawberry collection, 100 fine strong healthy plants (Spring delivery only), in four good sorts, our choice, prepaid, \$1.25.

POT GROWN STRAWBERRIES FOR FALL PLANTING

Ready August 1st. Selections from above list, doz. 60c; per 100, \$4.00. Not less than 25 at 100 rate.

By express at buyers expense.

FALL BEARING STRAWBERRIES

PROGRESSIVE. You can have Strawberries just as easily in the Fall as in the Spring by planting the Progressive, which is the best of all the Fall or ever-bearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.

Price, doz., 50c; 25 for \$1.00; 50 for \$1.50; 100 for \$2.50, postpaid.

GOOSEBERRIES

Good soil, thorough pruning, top dressing with manure are the essentials for a crop of gooseberries. They do best in a partly shaded place. For worms and mildew use Pyrox. Mixes easily in cold water. Arsenate of Lead or Hellebore for worms.

Price, 2-year, each 25c, 3 for 65c, doz. \$2.50; per 100, \$15.00. If by mail, three 2-yr. weigh 6 lbs., 3-yr. 7 lbs.; six 2-yr. weigh 12 lbs., 3-yr. 13 lbs.; larger quantities should be expressed.

DOWNING. Large handsome pale green and of splendid quality for both cooking and table use. Is called "The Great American Gooseberry."

HOUGHTON. Color pale red; tender and good. Medium sized berries under ordinary care, but if thinned thoroughly in fall or spring, fruit will be greatly improved. A heavy yielder.

RED JACKET. It is one of the best red gooseberries in existence. The berries are large, smooth, bright red and of excellent quality. Has good foliage; mildew proof. A good yielder.

TRANSPARENT. Large yellowish green fruit. Very juicy, and excellent flavor. We offer 2-year old bushes only.

VAUGHAN'S HIGH-GRADE FERTILIZERS

The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth

It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of a lettuce or radish causes that sharp and pungent flavor of the former and the bitterness and toughened fibre of the latter, beets

become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden-products more than any other condition, and it is neither wise nor economical to depend on the natural condition of the soil or the application of stable manure only for profitable crops.

VAUGHAN'S 5-8-1 TRUCK AND FARM MANURE

This is a good brand of concentrated Manure, suitable for lawns and flowers as well as vegetables mentioned below. It is of exceptional value and will prove a money maker to every farmer or gardener that uses it.

To be used on	Rate per acre.
Essex Rape.....	200 to 500 lbs.
Beans.....	400 to 600 lbs.
Carrots and Cucumbers.....	400 to 800 lbs.
Asparagus, Lettuce, Tomato and Strawberries.....	500 to 1000 lbs.
Beets, Onions and Cabbage.....	500 to 1500 lbs.
Celery.....	600 to 800 lbs.

Price, 25 lbs., \$1.90; 50 lbs., \$3.20; 100 lbs., \$5.50; 200 lbs., \$10.25; 500 lbs., \$23.50; 1000 lbs., \$41.50; 2000 lbs., \$81.75.

VAUGHAN'S 3-8-1 FERTILIZER. This brand has been especially prepared for such crops as require a quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, cauliflower, celery, fruits, especially strawberries, suitable for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1000. Price, 25 lbs., \$1.60; 50 lbs., \$2.60; 100 lbs., \$4.30; 200 lbs., \$8.00; 500 lbs., \$18.50; 1000 lbs., \$31.60; 2000 lbs., \$62.50.

ACID PHOSPHATE, 14% Available. 25 lbs., \$1.10; 50 lbs., \$1.65; 100 lbs., \$2.45; 500 lbs., \$9.80; 1000 lbs., \$15.50; 2000 lbs., \$30.50.

BON ARBOR A highly concentrated form of plant food. 7 oz. lb. pkg. making 15 gals., 25c; 1 lb. pkg. making 30 gals., 55c; 5 lb. pkg. making 150 gals., \$2.00.

FERTILIZER MIXTURE 2-8-1

For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1000; Potato, 500 to 1000; Sage, 200 to 600; Salsify, 500 to 1000; Turnip, 500 to 1000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000. Price, 25 lbs., \$1.40; 50 lbs., \$2.35; 100 lbs., \$3.75; 200 lbs., \$6.75; 500 lbs., \$15.50; 1000 lbs., \$26.75; 2000 lbs., \$52.50.

BONE AND BLOOD. For Cabbage, Cauliflower, Corn and other crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. Price, 25 lbs., \$1.65; 50 lbs., \$2.85; 100 lbs., \$4.75; 200 lbs., \$8.75; 500 lbs., \$20.50; 1000 lbs., \$35.00; 2000 lbs., \$69.50.

BONE, BLOOD AND POTASH

Fertilizer Mixture 5-8-3 Per Cent Analysis

This is our best brand of concentrated manure; excellent for mixing into potting soil or as a top dressing. It is a money maker. For potting soil use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using an 8-inch potful to a barrel of water. 25 lbs., \$2.10; 50 lbs., \$3.75; 100 lbs., \$6.35; 500 lbs., \$27.50.

DRIED BLOOD. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, mums, all kinds of pot plants. Price, 5 lbs., 75c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$9.80; 200 lbs., \$19.00; 500 lbs., \$44.00.

HARD WOOD ASHES. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. Price, 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; 500 lbs., \$11.50; 1000 lbs., \$18.50; 2000 lbs., \$36.00.

LAND PLASTER OR GYPSUM. Per 100 lbs., \$2.00; 500 lbs., \$8.00.

PURE ICHTHEMIC GUANO. An Ideal Plant Food, that exactly fulfills all the requirements of Plants and Flowers, Fruit and Vegetables in a well-balanced form.

DIRECTIONS FOR USE.—(1) In the dry state, 1 to 2 ounces to the square yard of ground. (2) In a liquid state, a tablespoonful to a gallon of water in the case of pot plants, about three times a week. (3) In a dry state mix with soil, when potting, 1 part to 100 parts of soil.

Imported in original bags of 112 lbs. each. 28 lbs., \$5.25; 56 lbs., \$8.50; 112 lbs., \$15.00.

PULVERIZED LIMESTONE. The agricultural value of lime has been known for centuries, it is an economic neutralizer for soil acidity, also beneficial to the soil in many other ways; it improves the texture of the soil, lets in air and moisture liberates nitrogen and other plant food, makes your soil sweet—enlivens it—that is, makes conditions favorable to plant growth by giving life to the soil bacteria which make it productive. Lime will be found very beneficial in the growing of all garden crops, fruit trees and flowers. Try it on the lawn too. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lb., \$1.00; 500 lbs., \$4.00; 1000 lbs., \$7.50; 2000 lbs., \$14.50.

VAUGHAN'S "ROSE GROWER" BONE MEAL.

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia $\frac{4}{5}$ to $5\frac{1}{2}$ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.60; 50 lbs., \$2.60; 100 lbs., \$4.30; 200 lbs., \$7.85; 500 lbs., \$18.25; 1000 lbs., \$31.50; 2000 lbs., \$62.00.

Quantity Required.—For permanent pasture and mowing lands $\frac{1}{2}$ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1000 to 1500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

REGULAR BONE MEAL. 25 lbs., \$1.40; 50 lbs., \$2.30; 100 lbs., \$3.70; 200 lbs., \$6.75; 500 lbs., \$15.75; 1000 lbs., \$26.50; 2000 lbs., \$52.00.

VAUGHAN'S CONCENTRATED PLANT FOOD

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months. 20c; 3 for 55c; (by mail add 5c per pkg.); large package, containing sufficient plant food for one year, 30c; 3 for 80c; (by mail add 10c per pkg.) Directions in package.

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must furnish the plant with Nitrogen.

HOW TO USE NITRATE OF SODA

Remove the lumps before using and break them up, which can be done by pounding. Use as a top-dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.

For Asparagus, a top-dressing of 250 lbs. per acre just as soon as the first shoots make their appearance. For Strawberries, a top-dressing of about 100 lbs. per acre after the plants have blossomed.

For the Home Garden apply as a solution one ounce to two gallons of water.

Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.50; 50 lbs., \$4.25; 100 lbs., \$7.25; 500 lbs., \$32.50; 1000 lbs., \$58.50; 2000 lbs., \$112.50. Write for prices on larger quantities.

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary.

Price, 5 lbs., 30c; 10 lbs., 55c; 25 lbs., \$1.20; 50 lbs., \$1.80; 100 lbs., \$2.85; 500 lbs., \$12.00; 1000 lbs., \$19.50; 2000 lbs., \$38.50.

SCOTCH SOOT. (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. Price, 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$8.50.

SULPHATE OF AMMONIA. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil, or 3 gallons of water. Market unsettled. 25 lbs., \$2.75; 50 lbs., \$5.00; 100 lbs., \$9.00.

SHREDDED CATTLE MANURE. An efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and clean to handle as grain, being perfectly dry and can be stored anywhere until wanted for use. Price, 100 lbs., \$2.35; 500 lbs., \$9.50; 1000 lbs., \$15.00; 2000 lbs., \$29.50.

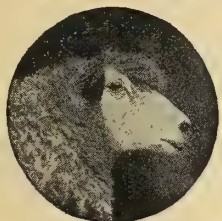
VAUGHAN'S HIGH GRADE LAWN FERTILIZER Make first application in early spring when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1000 square feet; rake thoroughly, then sow seed.

Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.60; 50 lbs., \$2.85; 100 lbs., \$4.50; 200 lbs., \$8.50; 500 lbs., \$19.30; 1000 lbs., \$33.25; 2000 lbs., \$66.00.

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries to supply food after the natural fertility of the soil is exhausted. Price, 5 lbs., 75c; 10 lbs., \$1.30; 25 lbs., \$2.60; 100 lbs., \$8.50.

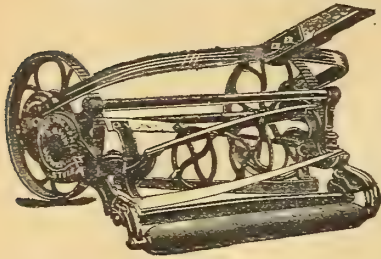
IMPORTANT. The prices on this page are based on present prices of fertilizers and are subject to change as market fluctuates.

We are not responsible for loss of weight, due to evaporation, of imported fertilizers.



Vaughan's Lawn Requisites

Lawn Mowers



Philadelphia Lawn Mower

The genuine Philadelphia Lawn Mowers are the recognized standard for high class machines. They are universally used in cemeteries and parks, where they are run constantly, day after day. The ordinary mowers cannot stand such usage. We list the three highest grade machines made by the Philadelphia company. Write for catalog.

Style A. High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side.

15 in.	17 in.	19 in.	21 in.
\$14.75	\$22.50	\$24.00	\$26.75

Style K. Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides.

14 in.	16 in.	18 in.	20 in.
\$14.75	\$16.00	\$17.25	\$18.50

Graham. Named for the president of the Philadelphia company. The finest lawn mower made. All steel cylinder, 4 blades. Driving wheels 10 inches. Train of gears for easy running on both sides. Bearings absolutely accurate. Wheels, gears and cylinders can be removed without disturbing other adjustments.

17 in.	19 in.
\$24.50	\$26.50

Philadelphia Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. 14 and 15-inch, \$2.75; 16 and 17-inch, \$2.85; 18 and 19-inch, \$3.00; 20 and 21-inch, \$3.20.



The Eagle Philadelphia Horse Lawn Mower

The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 530 lbs.; 40 inch, 610 lbs. Price (including seats, shafts and side-draft attachment) f. o. b. Chicago or New York: 35-inch cut, \$125.00; 40-inch cut, \$150.00.

N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

Easy Emptying Grass Catchers

Easily adjusted to any lawn mower. Its strong features are a handle which gives a balanced grip and enables the catcher to be readily lifted off, carried, emptied and quickly set on the mower again. A non-slipping bottom, which prevents the grass from slipping forward while mowing. Round backs, so operator will not strike his toes on square corners.

Style 1G, for mower 12 to 18 inches, long wood handle.....	Price \$2.25
Style 2G, for mower 16 to 22 inches, long wood handle.....	2.50
Style 23B, for mower 12 to 18 inches (square back), attached to mower by brackets.....	1.40
Style 24G, for mower 18 to 22 inches (square back), attached to mower by brackets.....	1.50

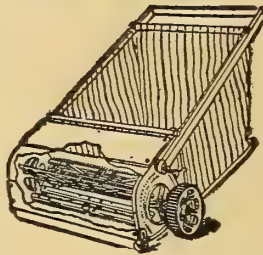
Capitol Lawn Trimmer and Edger

Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 inches wide. Price each, \$8.00 complete.

Gem Lawn Sweeper

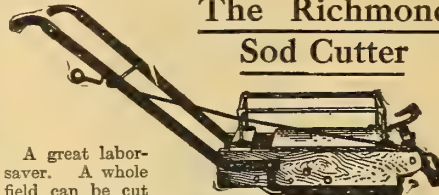
This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work.

Price, 24-inch wide, each \$22.00.



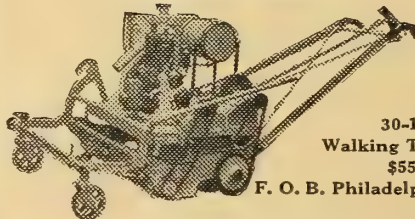
The Richmond Sod Cutter

A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. Price \$33.00.



The Philadelphia Eagle Motor Mower

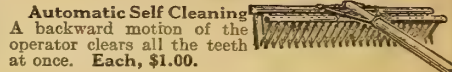
Cuts ¼ of an acre per hour. Walking type, cut 30 inches, weighs 900 lbs., 4 h. p. engine. Riding type, cut 40 inches, 8 h. p. double cylinder engine. Both types have corrugated rollers, with ends closed and differential gears. Can change to Lawn Roller in less than one minute. Can take out cylinder without disturbing frame of machine. Steel and malleable iron used for parts subject to extra strain. Only Flexible frame motor mower made. Adapts itself to uneven ground less subject to breakage. A Motor Mower for use by the average man. Trims large lawns better and at less cost than horse power. Price f. o. b. Philadelphia, Pa. Walking Type, \$550.00; Riding Type, \$1,000.00. Can make prompt deliveries at this time.



30-Inch Walking Type \$550.00 F. O. B. Philadelphia

Lawn Rakes

Automatic Self Cleaning A backward motion of the operator clears all the teeth at once. Each, \$1.00.



Lawn Queen. Wire teeth, reversible head; 24 teeth Each, 80c; 36 teeth, \$1.15.



Erwin Dandelion Rake. Specially designed for catching and cutting off heads of dandelion blossoms, preventing their spreading and disfiguring the lawn. It is also a superior all-purpose lawn rake and never injures the sod.



Price, each, \$2.50

Gem Dandelion Rake. Will keep dandelions off your lawn. Fine blade-like steel teeth. Easy working, self-cleaning stripper. Greatly improves the appearance of lawn. Cannot tear or injure the sod.

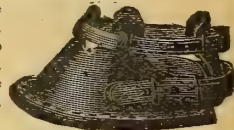


Large Size \$2.50

Medium Size \$2.00

Horse Lawn Boot

Indispensable Where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.



No. 2 for No. 2 horse shoe 5½ in. inside measure.
No. 4 for No. 4 horse shoe 6½ in. inside measure.
No. 6 for No. 6 horse shoe 7 in. inside measure.
Price, per set of four, \$14.00.

Lawn Rollers

Water or Sand Weight

One and two section

This roller has a water tight steel drum which can be filled with water to make it heavy, and emptied when storing away.

The roller is fitted with steel roller bearings and is an easy running, long wearing machine.



Without Counter-Balancing Hand Weights

Dia.	L'gth	Sec-	Wt.	Filled	Price
in.	in.	tions	em'ty	water	
WB3..	14..	20..	1..	.65	200.....\$10.60
WB5..	18..	24..	1..	.80	310.....13.50
WB7..	24..	24..	1..	1.15	500.....17.00
WB9..	24..	32..	1..	1.30	650.....18.50
WB11..	18..	24..	2..	1.00	330.....17.70
WB13..	24..	32..	2..	1.60	650.....21.85

Herbicide. Weed killer for clearing roads, walks, tennis courts. ½ gal., \$1.00; gal., \$1.75.

Prices on all the above subject to change without notice.

VAUGHAN'S LAWN HOSE, SPRINKLERS, NOZZELS, ETC.

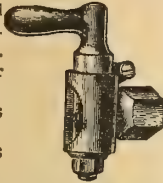
HOSE NOZZLES

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for 3/4-inch hose. Each, \$1.00; by mail, \$1.10.
Boston Rose Spray. Brass; for 3/4-inch hose; useful for watering lawn and garden. Each, \$1.00; by mail, \$1.10.



INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit 3/4-inch pipe connection. If wanted to fit 1/2-inch hose, order reducer, 40c extra.
Bordeaux Nozzle. Each, 75c; by mail, 80c.
Vermorel Nozzle. Each, 75c; by mail, 80c.



BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, \$4.00.

HOSE REEL—All Iron

Very light, frictionless; wheels being so high are very easily worked; never break or wear out.
No. 10 for 100 ft. 3/4-in. hose.....\$4.50
No. 20 for 150 ft. 3/4-in. hose.....5.00

THE COOPER HOSE MENDER

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. 1/2 or 3/4-inch, each, 10c; doz., \$1.00; 1-inch each, 12c; doz., \$1.25, postage, 5c doz. extra.
Iron Mender, for 3/4-inch hose. Each, 8c; doz. 80c.



THE EVANSTON SPRINKLER

One of the best lawn sprinklers; has no revolving parts to wear out; will not clog with dirt. Gives even distribution of water over wide area. The fineness and symmetry of its spray make it especially desirable for new lawns and flowers. Its location may be easily changed while under full working head by aid of wire or cord. Each 65c. Mailing weight about 2 lbs.



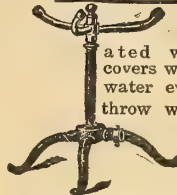
LINCOLN PARK OR BUTTERFLY

Used for years in Chicago parks; one of the most satisfactory sprinklers. Each, 40c.
Mounted on stand, 2 foot, \$1.00; 4 foot, \$1.10; 6 foot, \$1.25.



COLUMBIA SPRINKLER

Three Arm Lawn Sprinkler, can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air and the motion produces a fine mist. Height, 1 foot. Each, \$1.75; 3, for \$5.00.



AUSTRALIAN SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.
Mounted on stand, 2 foot, 95c; 4 foot, \$1.00; 6 foot, \$1.10; 8 foot, \$1.25.

RUBBER HOSE



Electric Non-Kinkable. Will not kink and will last for years. We can supply any length and will fit with "snap" hose couplings if advised when ordering. Price, 3/4-inch, or 1/2-inch, per 25 feet, \$6.25; 50 feet, \$12.00; 100 feet, \$23.00.

A first class smooth hose will give good satisfaction. Price 3/4 in., per 25 feet \$5.75, 50 ft. \$11.00, 100 ft. \$20.50.

THE "SNAP" HOSE COUPLER



Best coupler, simple durable, always tight for 3/4-inch hose. Per pair, 45c.

HOSE COUPLER,

Brass, for 1/2 or 3/4-inch hose. Each, 25c; doz., \$2.50.
Hose Clamps, Bull Dog. Each, 10c; doz., 90c, Ppd.
Hose Straps, Caldwell. Used in fastening coupler on hose. Each, 4c; doz., 30c. Pliers for same, 35c.

PERFECT CLINCHING COUPLER

3/4-inch, per pair, 35c.
Perfect Clinching Hose Mender
A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose, 3/4-inch, each, 12c; doz. \$1.15.



SPRAYERS FOR INSECTICIDES

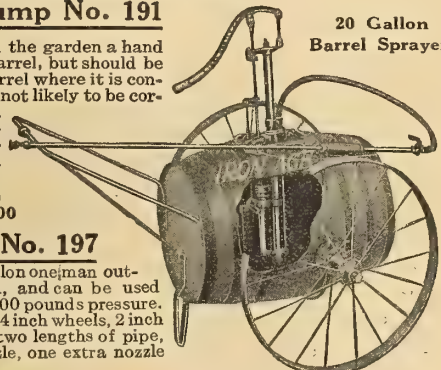
Iron Age Vertical Barrel Sprayer Pump No. 191

For the man with a small orchard or a few trees in the garden a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel, mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, 191 \$20.00 without barrel; 191B (with barrel) \$25.00; 1911 (without barrel) with 15 ft. lead hose \$25.00

Iron Age 20 Gallon Barrel Sprayer No. 197

For gardens, estates, parks, poultry plants, etc. 20 gallon one-man outfit, mounted, brass pump, easily taken out of the barrel, and can be used elsewhere. Ball valves, wick packing, all easy to get at, 100 pounds pressure. Pump with one hand, guide spray rod with the other. 24 inch wheels, 2 inch tires. Equipment includes 33 inches half inch hose, two lengths of pipe, two feet each, one sliding grip for pipe, one Iron Age nozzle, one extra nozzle or cap for washing windows, etc. Price, \$25.00.



Iron Age Horizontal Barrel Sprayer No. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pounds pressure. Holds 50 gallons. Each sprayer has double hose coupling, so one or two leads of hose can be used. Price, \$29.50 without hose; 1901 with one lead of hose 15 ft. \$34.25.

Iron Age Strainer Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble. Each \$1.50.

Sunshine Double Action Spray Pump



A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

By using an extension rod the tops of highest trees can be reached. Pump complete with agitator, suction pipe, brass strainer and two leads 1/2 inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles. Price, \$14.00.

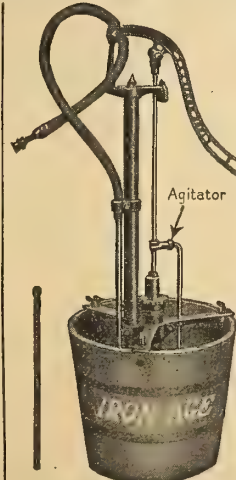
The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each 75c

0-2 Whitewash Sprayer

To those who desire a medium price sprayer that is constructed of best material and one that will do good work, this sprayer will answer your needs. It is equipped with three feet discharge hose, shut-off cock, Star spray nozzle and shoulder strap. Each, \$7.00.

Iron Age Bucket Sprayer



No. 195 is the complete Bucket Sprayer with special bucket in place of the foot-piece. An automatic agitator keeps the solution thoroughly stirred. Easily carried in one hand by the pump cross piece or by the lever at the top.

Equipment — 33 inches of hose, two-foot steel pipe extension with adjustable hand grip and "Iron Age" nozzle are included with each No. 195. With the pipe extension you can stand away from your work—also reach higher bushes, small trees, buildings, etc. Price, \$12.50.

Pneumatic Sprayer



Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank \$1.20; Brass Tank, each \$2.00.

The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, 85c; 3 for \$2.25.

Success Whitewash Pump

This is most excellent for use in gardens, green-houses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. Its double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.
Price, complete \$6.00, without bucket.

The Auto Spray

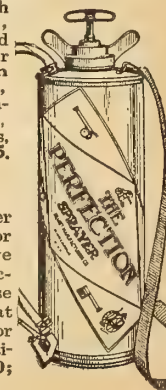
Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.



Price, galvanized iron reservoir, \$6.75, with Auto Pop, \$7.25; solid brass reservoir \$10.25, with Auto Pop, \$10.75. Extension rods, 2-ft. lengths, 60c. Two-row attachments, \$1.75.

Perfection

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized Steel, \$6.50; All Brass, \$10.00.





The tools listed on these pages are especially adapted to the work for which they are made.

Vaughan's Lawn and Garden

ACME BELLOWS FOR POWDERS. Each, \$1.35
ASBESTOS TORCHES, each, 60c; handles, 20c extra (at New York only).

ASPARAGUS BUNCHER. (Fig. 23). Each, \$2.25
BASKETS—Wire Hanging. (Fig. 11). Each, 6-in., 15c; 8-in., 20c; 10-in., 25c; 12-in., 30c. 14-in., 40c; 16 in., 55c.

Earthenware Hanging.—Terra Cotta. (Fig. 6). Without hanging wire.

Each	Doz.	Each	Doz.
7 in.	\$0.30 \$2.50	8 in.	\$0.35 \$3.00
9 in. ....	.40 3.50	10 in. ....	.50 5.00
12 in. ....	.60 6.00		

BOXES—Cut Flower.—Vaughan's "Green" Grade green lined, moisture-proof board. Very popular.

Size	Weight	Per	Size	Weight	Per
inches	per 100	100	inches	per 100	100
3 x 16x4	33 lb.	\$4.50	3½ x 30x5	75 lb.	\$8.75
3 x 18x5	40 lb.	5.25	4 x 24x8	85 lb.	9.25
3 x 21x5	45 lb.	5.65	5 x 28x8	105 lb.	11.25
3½ x 24x5	60 lb.	7.75	5 x 36x8	135 lb.	15.00
3½ x 21x7	65 lb.	8.00	6 x 40x10	170 lb.	19.50

DANDELION PULLER.—The Vaughan. (Fig. 15). Made of best steel, after an English pattern; 13½ in. long, weight 12 oz. Each, 50c.

DANDELION KILLER.—Ideal. A tube 1½ in. diameter, 30 in. long, holds one quart gasoline, which is dropped into dandelions. Each, \$1.25.

DIBBER. (Fig. 21). For transplanting vegetable plants; steel point. Each, 55c; (weight 10 oz.)

DUSTER.—Lowell. (Fig. 12). Each, 85c.
Little Giant.—The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Price, \$11.50.

FORK.—Digging or spading 4 tines. Each, \$1.10.

FUMIGATORS.—Eureka (Galvanized). (Fig. 19).
 No. No.
 1 For ½ pk. of stems. \$2.50 2 For 1 pk. of stems. \$3.35
 3 For ½ bu. of stems. 4.00 4 For ¾ bu. of stems. 5.25

GARDEN LINE REEL.—Each, \$1.00 (weight 2 lbs.)

GARDEN LINE.—(Fig. 9). Each heavy braided. Per 100 feet, \$1.15; by mail, \$1.25.

RED DEVIL GLASS CUTTER. Each, 25c.

GLASS CUTTER DIAMOND. Each, \$5.00

GLAZING POINTS.—Vaughan's Perfection No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c.

Siebert's Improved.—Easy to drive, and will not wedge or crack glass, 2 sizes, ¾ and ½-inch long. Price per lb., 70c.

GLOVES.—Gardener's. (Fig. 3). Heavy Hogskin. Per pair, \$1.25.

GRASS HOOKS or Sickles.—(Fig. 4). English plain backs, each, 75c.
 Domestic Sickles.—Good quality. Each, 75c

GRAFTING WAX.—Per ¼ lb. bar, 15c; ½ lb. bar, 25c; 1 lb. bar, 45c.

HOE.—Draw or Field. Socket handle. Each, 95c.

Combination Draw and Rake. 4½-inch cut and 4 teeth. Each, 90c; 6½-inch cut and 6 teeth, \$1.00.

English Scuffle or Push. (Fig. 22). 6-inch, \$1.25; 8-in., \$1.50.

Prong Hoe or Potato Hook. Four tines \$1.10.

Warren. 7½ in. best Garden Hoe made. Each \$1.00.

HOT BED SASH—Made of the very finest material. Unglazed are not painted. Glazed, painted one coat. Single strength glass. Add 35c. per sash for double strength.

Size, 3x6 ft. (Fig. 28) holds 3 rows 10-inch glass. Glazed, each, \$2.20; 3 for \$6.45; doz., \$25.50. Glazed, single strength glass, each, \$6.25; 3 for \$18.50; doz., \$70.00.

Size 39 inch x 6 ft., holds 4 rows 8-inch glass. Unglazed, each, \$2.35; 3 for \$6.75; doz., \$26.00. Glazed, each, \$6.35; 3 for \$18.75; doz., \$71.00.

Sash with double lights, making air cushion between for warmth.

Size, 3x6 ft., 3 rows 10-inch glass. Glazed, single strength (for double strength add 65c per sash). Each, \$10.50; 3 for \$31.00; 6 for \$58.50.

Prices include Crating. F. O. B. Chicago.

KNIVES.—Asparagus. Straight Cut. (Fig. 13). Each, 45c; by mail, 50c.

Asparagus. Concave. (Fig. 17). Each, 50c; by mail, 55c.

Budding. (Fig. 26). Ivory handle. Each, \$1.75. by mail, \$1.80.

Budding Knife. English, 2 blades. No. 166. Each, \$2.00; by mail, \$2.10.

Propagating. Ivory handle. Each, \$1.75; by mail, \$1.80.

Propagating. (Fig. 16). "The Vaughan," best of all. Each, \$1.00; by mail \$1.05.

Pruning. (Fig. 14). Stag handle, English. Each, \$1.75; by mail, \$1.85.

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, 30c; 3 for 75c.

LABELS.—Zinc Tree. Wired 3¾ inches long, ¼ inch wide. Price per dozen, 25c; 100, \$1.90.

Wooden. For pots, painted.

100	1000	100	1000
4 in.	\$0.20 \$1.25	6 in.	\$0.35 \$2.00
5 in. ....	.25 1.60	12 in. ....	.95 8.25

Tree, Copper Wired. ... 3½ in.35 2.00

Copper.—Indestructible. Small, 30c doz.; 100, \$2.00; large, 40c doz.; 100 for \$3.00.

Cypress.—For use outside, will last for years, 16x1½ in. Doz., 50c; 100 for \$3.00; 18x2 in., doz., 60c; 100 for \$3.60.

Iron Age.—Galvanized iron. The reading is protected by a sheet of mica. Each, 20c; doz., \$2.20; 100 for, \$16.25.

MOLE TRAP.—Out O'Sight. (Fig. 1). One of the best mole and gopher traps. Each, \$1.10.

MOSS.—Sphagnum. Burlapped bales. Ea., \$2.00.

PAINT, Carbolenum.—Used on labels, will preserve them for years. Gallon, \$1.25.

PANS (Azalea)—

Each	Doz.	Each	Doz.
6 in.	\$0.11 \$0.85	9 in.	\$0.35 \$3.00
7 in. ....	.15 1.50	10 in. ....	.45 4.00
8 in. ....	.20 1.80	12 in. ....	.60

PANS (Fern)—

Each	Doz.	Each	Doz.
6 in.	\$0.11 \$0.85	8 in.	\$0.20 \$3.00
7 in. ....	.15 1.50	10 in. ....	.45 4.00

PEAT.—For potting orchids, etc. Sack, \$3.60.

PEAT MUCK.—For potting Azaleas. Bbl. \$3.00.

PENCILS.—Weatherproof. With tip. For marking labels. Each, 15c; doz., postpaid, \$1.45.

PLANT BED CLOTH.—For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., 29c; heavy 44c; 60 to 100 yds. medium, per yd., 29c; heavy. 42c; not less than 20 yds. of a kind sold.

POTS (Flower)

F. O. B. Chicago. Write for Prices.
 F. O. B. New York.

RED CLAY POTS.—(Fig. 5). We pack these carefully but will not be responsible for breakage.

Doz.	100	1000	Doz.	100	1000
2 in.	\$0.20 \$0.90 \$7.50	6 in.	\$0.85 \$6.00 \$...		
2½ in. ....	.22 1.15 9.75	7 in.	1.50 10.00	
3 in. ....	.30 1.50 13.00	8 in.	1.80 13.50	
4 in. ....	.45 2.65	10 in.	each .45	
5 in. ....	.65 4.25	12 in.	each .60	

NEPONSET PAPER POTS.—(Fig. 7). Made of water-proof paper light, clean and unbreakable.

Doz.	100	1000	Doz.	100	1000
2¼ in.	\$0.12 \$0.65 \$4.35	4 in.	\$0.22 \$1.33 \$11.00		
2½ in. ....	.14 .70 5.25	5 in. ....	.30 2.20 19.00
3 in. ....	.16 .90 7.25	6 in. ....	.35 2.60 23.00
3½ in. ....	.18 1.15 9.25			

POT HANGER.—Kramer's. (Fig. 24). Converting flower pots into hanging baskets. Price, each, 15c; doz., postpaid, \$2.00.

POWDER GUN.—Cyclone. (Fig. 8). Small size, 20c. Jumbo size, 40c. Postage, extra, each, 5c.

PUTTY.—Twemlow's Old English.—Semi-liquid. Same as Mastic. Per gallon, \$3.25.

PUTTY BULB.—Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. Each, \$1.35, (weight ½ lb.)

PUTTY KNIFE.—Each, 25c.

RAKES.—Steel Bow Garden. Best, does not break; 12 teeth, \$1.00; 14 teeth, \$1.10; 16 teeth, \$1.20. Garden. 12 teeth, 70c; 14 teeth, 80c; 16 teeth, 90c. Lawn Rakes.—See another page.

SEED SOWER.—Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each \$2.00.



Tools and Requisites

For Wheel Hoes, Hand Cultivators and Seed Drills, See Pages 148 and 149. These are Labor Savers

SAUCERS.—Fibre, waterproof and unbreakable.
 Each Doz Each Doz
 5 in. \$0.35 \$4.00 9 in. \$0.48 \$5.40
 6 in.37 4.15 10 in.56 6.40
 7 in.40 4.40 12 in.75 8.45
 8 in.42 4.70

SAWS.—Double Edge Pruning. 16-inch, \$1.25; 18-inch, \$1.35; 20-inch, \$1.50. Weight 12 ozs.
 Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the tree. Each, \$2.00; extra blades, 25c.

SCYTHE.—Blades. English Riveted Back, 30-inch, \$2.75; 36-inch, \$5.25.
 Scythe Snath or Handle, with patent fastening, each \$1.50.
 Scythe Stone, Natural each 15c; 3 for 40c.

SHEARS.—Border. For trimming the edges of borders and walks. 9 inch, \$4.50.
 Hedge. (Fig. 35.) Best imported English.
 8-inch, \$2.00; with notch... \$2.25
 2-inch, 2.35; with notch... 2.65
 10-inch, 2.75; with notch... 3.00
 Notch at crutch of blades to cut small branches.

Pruning. (Fig. 44.) 6-inch, nickel-plated, \$1.25; 9 in., \$1.50. Extra Springs, each, 15c.

Pruning. Best grade, with double brass springs. Each, \$1.65.
 Levin's Pruning. (Fig. 45.) One of the best pruning shears made. Each, 75c.

Sheep. With thumb guard. For trimming grass on edges and around flower beds. Each, 45c.
 Sheep. Best quality steel, 6½-inch blade, \$1.35.
 Buckeye Pruning. Long handle. Each, \$1.50; large size, heavier, \$1.75.

Clyde Draw Cut Pruner. (Fig. 42.) Extra strong, long handle, \$3.00.
 Improved Wire. For cutting annealed wire. \$1.35.

SHOVELS.—Ames. D handle, round point. Ea. \$1.95.
 Ames. Long handle, round point. Each, \$1.95.
 Ames. D handle, square edge. Each, \$1.95.

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ¼ to ¾ inch. Each, \$1.50.
SOIL.—Potting. Suitable for all ordinary plants and bulbs, and will be sent by express or freight at buyer's expense, sifted and packed ready for use. Peck, 40c; bushel, \$1.25. Barrel, \$3.00.

SPADES.—Vaughan's. Special D handle. (Fig. 48.) Each, \$1.90.
 Ames. D or long handle, \$1.95.

SPRINKLERS.—The Lenox. (Fig. 30.) A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each 60c; by mail, 65c.
 Scollay's Rubber. (Fig. 51.) Indispensable for Floral work. Large \$1.35; by mail, \$1.40; medium, \$1.00; by mail, \$1.05; small, 85c; by mail, 90c.

STAKES.—Green Painted Wood. Very useful for tying plants, shrubs, etc.
 Light Weight.
 Per doz. 100 Per doz. 100
 1½ ft. \$0.30 \$1.70 3½ ft. \$0.30 \$5.75
 2 ft.40 2.75 4 ft. 1.00 7.25
 2½ ft.60 3.75 5 ft. 1.05 8.50
 3 ft.70 5.00

STAKES.—Continued
 Per 100 1000
 Cane Stakes. 6 to 8 ft. long. \$2.00 \$ 9.50
 Cane Stakes. 9 to 12 ft. long, extra heavy. 2.50 17.50
 Prices on Cane Stakes f. o. b. Chicago. Write for prices f. o. b. New York.

JAPANESE BAMBOO.—Plain and Green Painted
 On account of war embargo stock is exhausted at present. Write us during the season as conditions may change. Sizes usually run in plain, 6-8 ft. In painted, 18-60 inches, graded in sizes running 6 inches apart.

Galvanized Wire Stakes.
 No. 9 Per doz. 100 No. 8 Per doz. 100
 1½ ft. \$0.15 \$1.00 3½ ft. \$0.35 \$2.35
 2 ft.20 1.30 4 ft.40 2.65
 2½ ft.25 1.50 5 ft.45 3.25
 3 ft.30 1.75 6 ft.50 3.75

STAND.—Rolling. (Fig. 36.) For heavy plants. Made of indurated fibre ware. Castors have ball bearings; 12-inch, \$1.10; 14-inch, \$1.25; 16-inch, \$1.65; 18-inch, \$1.90.

SYRINGES.—Brass. No. 0, 12½-inch spray for small greenhouses, \$2.50. (Weight, 2 lbs.)
 No. 5. Greenhouse. 18-in., barrel, \$6.50. (wt. 3 lbs.)
 English. (Fig. 29.) Brass, No. 11, 18-inch barrel with two different sprays and one stream, \$5.25. (Mailing weight, 3 lbs.)

THERMOMETERS.
 Tin Case. (Fig. 38.) 10-inch, 50c.
 Cabinet. Wood case, 75c; 3 for \$2.10.
 Hot Bed. Brass point, wooden frame, \$2.25.
 Self Registering. With magnet to set it, 8-inch, each, \$5.00; registers highest and lowest temperature. Minimum for registering cold. \$2.50.

TOMATO SUPPORTS. Made of heavy galvanized wire, will last for years.
 F. O. B. New York. Each, 25c; doz., \$2.75.
 F. O. B. Chicago. Each, 30c; doz., \$3.00.

TREE IRRIGATOR.—"Save Your Trees." A practical device for conveying water and fertilizer direct to the roots of trees. No obstruction to lawn or walk; not affected by frost. Each, \$2.50;

TREE.—Gielow's Fruit Picker. Each, \$1.80.

TRELLIS.—Wood. Fan Shape. (Fig. 31.) 18-inch, 30c; 3 for 80c; 24-inch, 35c; 3 for \$1.00; 30-inch, 50c; 3 for \$1.35; 36-inch, 85c; 3 for \$2.35; 3½ feet 21 inches wide, 90c; 4-foot, 27 inches wide, \$1.10; 5-ft., 32 inches wide, \$1.45; 6-foot, 38 inches wide, \$1.60; 7-foot, 42 inches wide, \$1.75.

Veranda. 18-inch wide; 5 feet, \$1.35; 6 feet, \$1.60; 7 feet, \$1.75; 8 feet, \$2.00; 9 feet, \$2.25; 10 feet, \$2.50.

TROWELS.—Vaughan's Steel. (Fig. 32.) One solid piece of steel and will outwear all others. Each, 75c; 3 for \$2.10. Postpaid, each, 85c.

Ordinary Garden. 6-inch, each, 20c; prepaid, 25c.
English Steel. 6-inch, each, 30c; prepaid, 40c.
Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being deeply curved. 6-inch, 25c; postpaid, 35c.

TREE PRUNERS.—Waters'. (Fig. 50.) Length of pole, 4 feet, \$1.10; 6 feet, \$1.25; 8 feet, \$1.40; 10 feet, \$1.60; 12 feet, \$1.85.
Extra Knives. Each, 25c.

TUBS.—(Flower) Richmond.
 These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green paint of best oils. Prices F. O. B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1 6x 6	\$0.55	\$2.10	9 14x13	\$1.50	\$5.80
3 8x 8	.60	2.30	11 16x15	1.90	7.35
5 10x 9	.75	2.80	13 18x17	2.50	10.20
7 12x11	1.15	4.40	14 19x18	3.10	12.00

If handles are required add 25c per tub. The first numeral is diam. at top; the second is depth.

Plant Tubs.—Columbian. Made of the best cypress. Will not rot. Has twelve staves in tapered shape, held together by two steel wires. Natural varnish finish. Measurements are outside of tub.
 F. O. B. Chicago only. Each 4 for

12 by 11½ inches	1.50	\$3.80
14 by 15 inches	1.50	5.75
16½ by 18 inches	2.00	7.75
19 by 21 inches	2.50	9.65
21 by 24 inches	3.00	11.60

Japanese Wooden Plant Tubs. Outside measurements, 13½ in. high x 14½ in. wide. Inside measurements, 10½ in. high x 12½ in. wide. Finish natural. Each, \$1.00.
Dark Oak Stain, with willow green enameled hoops. Each, \$1.25.

TURF EDGER.—American. (Fig. 49.) Each, \$1.00.
VASE.—Cemetery. Earthen, green, 10 inch, sha p point, each, 30c.

Fiber. For Cut-Flowers. Unbreakable.
 9 inches deep, 4½ inches diam. Each, \$1.15
 10 inches deep, 5½ inches diam. Each, 1.40
 13 inches deep, 8 inches diam. Each, 1.80
 18 inches deep, 5½ inches diam. Each, 1.80

WATERING POTS.—American. (Fig. 52.) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$3.25; 6 quart, \$3.35; 8 quart, \$3.75; 10 quart, \$4.20; 12 quart, \$4.60.
French Style. Oval, otherwise same make as above; 6 quart, \$3.85; 8 quart, \$4.20; 10 quart, \$4.60; 12 quart, \$5.10.

WEEDERS.—Combination. (Fig. 37.) Each, 30c.
Eureka. (Fig. 33.) Best hand weeder for loosening soil around plants. Short handled, 40c; long handled, 50c. (Mailing weight, ½ lb.)
Excelsior. (Fig. 39.) Each, 15c. (Mailing wt. 4 ozs.)
Lang's. (Fig. 40.) We find this by actual trial a real labor saver. Each, 25c. (Mailing weight, 4 ozs.)
Hazeltine. (Fig. 47.) Each, 28c. (Mailing wt., 6ozs.)
Magic Weeder and Hoe. Handy tool, weeder part having four long tines. When reversed can be used as a hoe. Each, 40c. (Mailing weight, 12 ozs.)
Piqua. Long handled useful tool, makes weeding easy, no stooping. Price, \$1.15.

The Wonder Weeder. For Dandelion, Plantain, etc., in lawns. It gets the weeds, fast, clean and deep. It absolutely will not break up the sod. Just two simple movements and your weed is out. No backache, soiled hands or clothing. Each, 50c.

WHEELBARROWS.—Globe Garden. (Fig. 43.) Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Has a 20-inch wheel. Price, with steel wheel, \$7.75.

Vaughan Greenhouse. We had numerous calls for a greenhouse wheelbarrow, the ordinary wheelbarrow being too wide. We built a special barrow which fills this want perfectly. Price, each, \$6.00.

INSECTICIDES AND FUNGICIDES

Insecticides in small quantities can be sent by Parcel Post, a small extra charge being made for packing. Weights when packed are: 1/2 pint, 1 lb., 1 pint, 2 lbs.; 1 quart, 3 lbs. No poisonous insecticides sent by mail.

Ant Exterminator. A non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. Box, 30c; by mail, 40c; smaller size, 20c. Not sent outside states of Illinois and New York.

Aphine. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. Full directions on can. 1/2 pt., 50c; qt., 65c; gal., \$1.00; gal., \$2.50.

Aphis Punk. Special preparation of nicotine for killing insects. 12 sheets, 65c; 1 case, 12 pkgs., \$6.75.

Arsenate of Lead Paste. Popular remedy for use against all chewing insects that attack foliage and fruit trees. Will not wash off nor in any way burn the foliage. Use two or three pounds to fifty gallons water. 1 lb., 40c; 5 lbs., \$1.75; 12 1/2 lbs., \$3.75; 25 lbs., \$6.50; 50 lbs., \$12.00; 100 lbs., \$21.50.

Arsenate of Lead, Dry. For spraying and dusting. Solves the problem of controlling practically all leaf-eating insects in a particularly efficient manner. 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.50; 25 lbs., \$12.00; 50 lbs., \$21.50; 100 lbs., \$39.00.

BLACK LEAF 40, is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only, directions must be followed carefully: 1 oz. bottle 25c, makes 5 to 10 gallons; 1/2 lb. can 75c, makes 40 to 100 gallons; 2 lb. can, \$2.50, makes 200 to 500 gallons; 10 lb. can, \$10.75, makes 840 to 2100 gallons.

Bordeaux Mixture. (Liquid or Paste). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One gallon will make 50 gallons liquid. 1 qt., 60c; gal., \$1.60; 5 gals., \$7.00. (Dry.) Ready for use by simply adding water. For potatoes use 4 to 5 lbs. per acre according to size of vines. For fruit trees, 1 lb. to 15 or 20 lbs lime dust. Lb., 40c; 5 lbs., \$1.75; 25 lb. keg., \$6.50.

Carbon Disulphide. For ants and root-lice, gophers and all underground pests. Lb., 45c; 1/2 lb., 25c.

Calcium Arsenate, Dry. For dusting and spraying. A new arsenical poison for chewing insects, especially potato beetle. Harmless to foliage, not easily washed off. 1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.50.

Whale Oil Soap. An excellent wash for trees and plants where insects and eggs affect leaves and bark. Dissolve 1 lb. in 1/2 gal. hot water, then add 10 gal. cold water. Lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25.

Fungine. New remedy for mildew, and other fungus diseases, for greenhouse and outdoor use. Full directions on can. 1/2 pt., 40c; 1 pt., 65c; 1 qt., \$1.25; 1 gal., \$3.50.

Flowers of Sulphur. Valuable for dusting plants and preventing mildew. Lb., 12c; 10 lbs., \$1.00; 50 lbs., \$4.00; 100 lbs., \$7.50.

Grape Dust. Excellent for the prevention and destruction of mildew on plants. Lb., 20c; 5 lbs., 85c; 10 lbs., \$1.60.

Hellebore, Powdered White. Less poisonous than Paris Green and safer to use where fruit is nearly ripe. 1/4 lb., 20c; 1/2 lb., 35c; Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25.

Kerosene Emulsion. One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, aphids, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. 1 part to 20 parts water. For use in soil never make it weaker than 1 in 10. Qt. 50c; 1 gal., \$1.25; 5 gal. \$5.00.

Lemon Oil. Destroys mealy bug, scale, thrips, red spider, etc. Full directions on can. 1/2 pt., 35c; pt., 60c; qt., 1.00; 1/2 gal., \$1.60; 1 gal., \$2.50; 5 gal., \$10.50.

Lime-Sulphur. The best remedy for San Jose scale. One gallon makes ten. Also one of the best Summer sprays, as it is an excellent fungicide. When used in summer dilute with 30 to 40 parts water. Qt., 40c; 1 gal., \$1.30; 5 gal., \$4.00; Bbl., 30 gals. \$10.00; 50 gals., \$13.50.

Nico-Fume. Strips of Paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for house 100 feet long by 20 feet wide. 24 sheets, 85c; 144 sheets, \$4.00; 288 sheets, \$7.50.

Nico-Fume Liquid. For fumigating or spraying; contains 40 per cent nicotine. 1/4 lb., 50c; 1 lb., \$1.50; 4 lbs., \$5.50; 8 lbs., \$10.50.

Nicotinide. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. 4 ozs., 70c; 1/2 pt., \$1.25; pt., \$2.50; qt., \$4.50; 1/2 gal., \$8.25; gal., \$15.00. Fumigator for above, 85c.

Nicoteen. Use same as Nicotinide. 1 oz., 30c; 1 1/2 oz., 45c; 1/2 lb., 90c; 1 lb., \$1.60; case, 10 lbs., \$14.00.

Paris Green. A poisonous insecticide in powdered form, for insects which chew. When applied as a powder use one part Paris Green to 10 parts plaster or flour. As a liquid one pound Paris Green in 150 to 300 gallons water. If used on fruit trees add one pound quicklime. 1/4 lb., 25c; 1/2 lb., 40c; lb., 70c; 5 lbs., \$3.25; 14 lbs., \$8.50.

Pyrox. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage, vegetables, fruits and shrubs. 1 lb. will make 6 gals. of spray for general purposes, or 10 gals. for stone fruit. Lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.00; 50 lbs., \$11.00; 100 lbs., \$21.00.

Readeana. An effective liquid insecticide for spraying roses and tender annual plants. Harmless to foliage and flowers. (Mix 1 to 6 oz. with 1 gal. water.) Price, 8 oz., 50c; qt., \$1.25; gal., \$4.00.

Scalecide. Oil preparation for all scale insects including San Jose. Use 1 gal. to 15 gals. water. Qt., 60c; gal., \$1.45; 5 gals., \$6.45; 10 gals., \$11.00.

Slug Shot, Hammond's. Destroys potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb. carton, 20c; 5 lbs., 60c; 25 to 50 lbs. at 10c per lb.; keg of 125 lbs. for \$11.75; barrel in bulk, 250 lbs., for \$22.50.

Slug Shot Duster. Each, 60c.

Sulphate of Iron. A remedy for weeds on lawns, kills dandelions without injuring grass. Liquid should be applied with a fine spray. Full particulars on application. 5 lbs., 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.25.

Sulpho Tobacco Soap. One of the best remedies for green fly on roses. Dissolve 2 oz. in 1 gal. hot water. 8 oz. box, 20c; by mail, 25c; 3 oz. pkg., 10c; by mail, 12c.

Thrip Juice. For mealy bug, scale, thrips, codling moth, canker worms, beetles, caterpillars, etc. 1 part to 40 parts water. Stir well. Apply with syringe or spray. Pt., 75c.

To-bak-in-e. Strong Nicotine preparation. 1 pt., \$2.50; 1/2 gal., \$9.00; 1 gal., \$17.50.

Tree Tanglefoot. Perfect safeguard for trees against gypsy, browntail and tussock moths, cankerworm, cut worms, ants, and other insects. 1 lb. can, 50c; 3 lb., \$1.45; 10 lbs., \$4.50.

Tobacco Stems. For fumigating. 5 lbs., 25c; per 100 lbs. \$2.25.

Tobacco Dust. Remedy for aphids, fleas, beetles, etc. Lb., 10c; 5 lbs., 30c; 10 lbs., 55c; 100 lbs., \$4.00.

Vermine. The best soil sterilizer for greenhouse, garden or field, thoroughly rids the soil of wire worms, slugs, lice, ants, etc. Mix with 4 parts of water and soak the ground. 1/2 pt., 40c; 1 pt., 65c; qt., \$1.00; gal., \$3.00.

Worm Eradicator. Electric destroyer of worms of every kind at the roots of Trees, Shrubs, Flowers, Grape Vines, Vegetables, etc. Brings worms to surface and rids Golf Grounds of worms without discoloring grass, use 1 or 2 ounces to 1 gal. of water. 4 oz. bottle, 25c; 8 oz., 50c; 24 oz., \$1.00; 1 gal., \$4.00; 5 gals., \$17.50.

Weed Exterminator. Herbicide. For use in clearing grass and weeds from roads, gutters, tennis courts. Use with 20 to 40 parts of water. 1/2 gal., \$1.00; 1 gal., \$1.75; 5 gal., \$7.00.

WATER BARREL, HAND CART, LEAF RACK

Adjustable to One Truck Water Barrel. Can be used for a variety of purposes; barrel can be easily attached or detached from the truck by simply raising or lowering the handles. Barrel with trunnions for attaching to truck. Price, \$6.50

Hand Cart. Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23 1/2 inches; depth, 8 inches. Price \$6.00. (Truck extra).

Leaf Rack. Very convenient for the cartage of leaves, cut grass from the lawn etc. Rack has an average width of 28 in. by 42 ins., and is 21 ins. deep. Price \$12.50. (Truck extra).

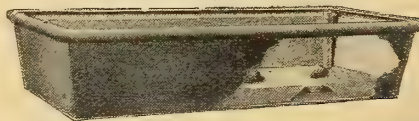
Price of Truck, No. 2, steel wheels, 2 1/2 inch tread, including trunnions \$14.75

HOT BED MATS

Burlap Mats, lined, waste wool and cotton quilted Size A, 40x76 in., \$3.50 each; per dozen, \$38.00. Size B, 76x76 in., \$5.50 each.

Straw Mats. Ryestraw, 3x6 ft., each \$2.00; dozen \$21.00. Same mat, 6x6 ft., each \$3.50; dozen \$39.00.

"ILLINOIS" SELF-WATERING FLOWER BOXES



Neat, convenient and practical window box made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plant leaves the soil in a loose condition, always moist, ideal for plant growth.

All these of uniform measure, 8-in. deep, 9 1/2-in. wide, (except No. 0, 6-in. deep, 6-in. wide).

No.	Length	Price	No.	Length	Price
0.....	16 in.	\$1.15	6.....	33 in.	\$2.60
1.....	23 in.	2.00	7.....	35 in.	2.75
2.....	25 in.	2.50	8.....	37 in.	2.85
3.....	27 in.	2.25	10.....	41 in.	3.25

ILLINOIS JUNIOR. Boxes of lighter steel. 8 in. wide; 7 in. deep; 24 in. long, \$1.75.

HANGING BASKETS

(Self-Watering)

Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. The water goes directly into reservoir and is drawn upon as needed, so earth is always moist. "Never take a drop"; may be hung on chains or set on small table. Chains extra, 35c per set.

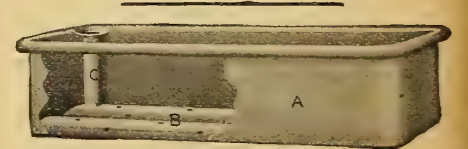
No.	Depth	Square	Price	No.	Depth	Square	Price
8.....	6 in.	8 in.	\$1.25	12.....	8 in.	12 in.	\$1.75
10.....	7 in.	10 in.	1.40	14.....	9 in.	14 in.	2.00

"ILLINOIS" PORCH BOXES

Made on the same principle but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like old wooden boxes. Refill every 10 days.

9 in. deep, 12 in. wide.	8 in. deep, 12 in. wide.
No. Length Price	No. Length Price
23.....45 in.....4.25	25.....53 in.....4.75
24.....49 in.....\$4.50	

"SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum.

Model	Height	Width	Length	Price
Model A,	6 1/2 inches,	6 1/2 inches,	23 inches,	\$3.00
Model B,	8 inches,	9 1/2 inches,	29 inches,	3.50
Model C,	8 inches,	9 1/2 inches,	35 inches,	4.00
Model D,	8 inches,	9 1/2 inches,	41 inches,	4.50
Model E,	8 inches,	12 inches,	12 inches,	3.00
Model F,	12 inches,	12 inches,	12 inches,	3.50

We supply all plants for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, \$1.25; barrel, \$3.00. Let us advise you in your selection of plants.

We can please you and save you money.



MATERIALS FOR BASKET MAKING

- 1—Raffia Braid; 2—Raffia Colored; 3—Indian Splint; 4—Sweet Grass;
5—Round Reed; 6—Pine Needles; 7—Flat Reed; 8—Wood Ribbon.

RAFFIA FIBRE FOR BASKETS, ETC.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Natural, bunch (about 3 ozs.)	\$0.10	Colored, per lb.	\$1.00
Colored, bunch (about 1 1/4 ozs.)	.10	Mixed Colors, bunch (2 ozs.)	.10
Natural, Extra Bleached		Mixed, per lb.	.60
Needles, for Raffia Work		1 1/2 oz. bunch, 10c; 1 lb.,	60c

If to go by parcel post, include postage in remittance.

REEDS (RATTAN)

Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work. Sample card mailed upon request.

Bunch	1/2 Lb.	Lb.	Bunch	1/2 Lb.	Lb.		
No. 1	\$0.10	\$0.70	\$1.35	No. 5	\$0.10	\$.40	\$0.75
No. 2	.10	.65	1.25	No. 6	.10	.40	.72
No. 3	.10	.63	1.20	No. 8	.10	.38	.70
No. 4	.10	.43	.80	By parcels post, postage extra.			

FLAT REEDS

Size, 3/8 inch.....Bunch, 10c; 1/2 lb., 30c; lb., 60c

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Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. It possesses a delightful fragrance. Oz., 12c; 1/2 lb., 85c; 1 lb., \$1.60.

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Made from ash wood by the Indians. Six colors—green, pink, yellow, red blue and brown.
1/4 inch wide, per roll of 25 yards.....\$0.20
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Double and
Single
Wheel Hoes

IRON AGE

HILL and
DRILL Seeders

Sold to do One or Both
Operations.

Write for
1919
Booklet

We are Special Agents for IRON AGE Tools

WHEN you made a garden in the old way, you had to be very fond of it to undertake the drudgery. It is different now—thousands of people are making their own gardens with pleasure and profit in many ways by using "IRON AGE" Wheel Hoes and Drills.

With the Wheel Hoes, you can get over your garden ten times where you did once before—you can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. With the Drills, you can sow in continuous rows, or in hills. You can get more and better crops on the same ground with far less labor and greater satisfaction to yourself. You can get fertilizer attachments with which to dress the rows and force growth. A woman, boy or girl can easily operate any "IRON AGE."

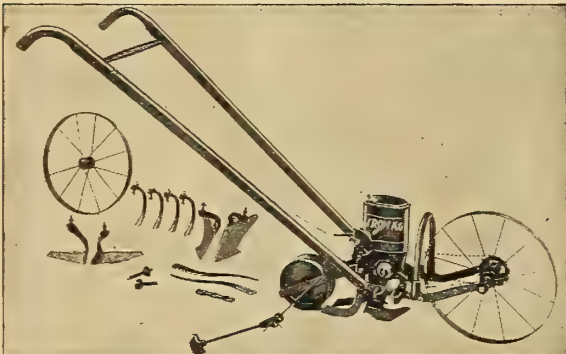
More than 26 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete, adaptable tools—the kind you don't want to part with after you have once used them and know what they will do. Read various numbers and prices carefully order accordingly.



No. 306 Combined Double and Single Wheel Hoe, HILL and DRILL Seeder

Four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each Tool complete and the equal of any tools on the market. The cut below shows No. 306 set up as a seeder (but with all parts in the picture)—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills and quickly changeable.

No. 306 complete with all attachments shown, Price \$21.00.



No. 304 Combined Double and Single Wheel Hoe and DRILL Seeder
Like 306 but is a "Drill" seeder only and with different plow.

Price \$20.00

No. 314 A No. 306 Combined Side Hoes and Teeth Only. Price \$19.00.

No. 301 Combined Double and Single Wheel Hoe

This is the Wheel Hoe form of the No. 306. Can be made into Single Wheel Hoe in one minute. Cultivates astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The high wheels make it an easy-running machine. Includes (for \$11.50) all parts shown in cut below. For Hill and Drill attachment add \$10.00. No. 301R Includes pair rakes besides all other parts, Price, \$12.50.

No. 301
Price
\$11.50



Wheel Hoe with only the hoes order No. 303, Price, \$8.50

No. 315 Combined Single Wheel Hoe HILL and DRILL Seeder

Will accomplish about all the work of the No. 306 except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 306. In its Seeder form sows either way, in drills or hills. Has strong malleable iron frame, the 16 in. wheel and is simply and easily changed and adjusted.

No. 315. Price, Complete, \$19.00.
No. 316. The HILL and DRILL Seeder. Price \$15.00.

No. 315
Price Complete
\$19.00

No. 317 Combined Single Wheel Hoe and Drill Seeder is the same as No. 315 without hill-dropping device. Price \$17.00.

No. 3018 B
Price \$14.50
Special Pattern For Planting Seed for Big Onions And Sets



No. 318 DRILL Seeder only. Price \$14.00

No. 12 Wheel Plow and Cultivator

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. This is sufficiently low-priced to be within the reach of any small garden owner. A great labor saver. Price, No. 12, \$6.00.

No. 12
Price \$6.00

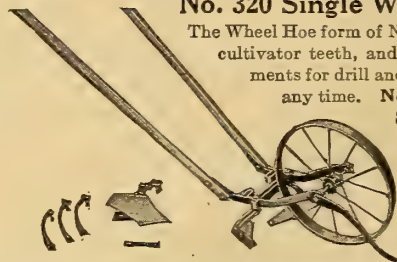


No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only. Price \$5.00.

No. 320 Single Wheel Hoe

The Wheel Hoe form of No. 315. Tools include side hoes, cultivator teeth, and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. No. 320, Price \$8.50.

Same tool with rakes is No. 320R. Price, \$9.50.



When wanted plain, with side hoes only. Order No. 321, Price, \$6.50.

No. 308 HILL and DRILL Seeder Extra Large

An extra large capacity drill for market gardeners, etc. Wheel 16 ins. high with 1 3/4 in. tires—runs easily over soft ground. The hopper contains 3 quarts—enough for a round with long rows. Will sow the same seeds as No. 306. The adjustment for the quantity of seed is also the same.

The marker is adjustable for widths from 6 to 20 inches. The seed sowing is always in full view. Opening plow may be adjusted to sow at correct depth.

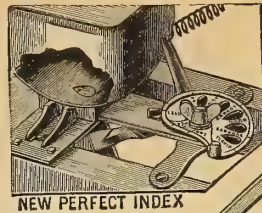
No. 308
Price, complete,
\$18.50



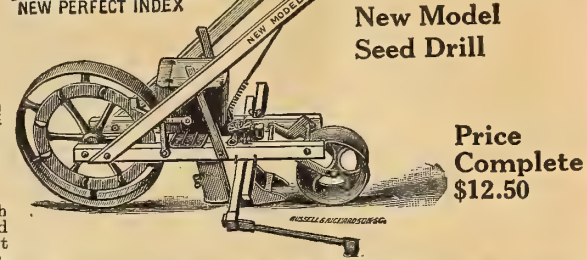
SPECIAL DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make **QUICK SPECIAL DELIVERY** of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

IRON AGE FARM AND GARDEN IMPLEMENTS



New Model Seed Drill



New Model Seed Drill

Price Complete \$12.50

Popular with seedsmen and market gardeners.

Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.



No. 19C Wheel Plow and Cultivator

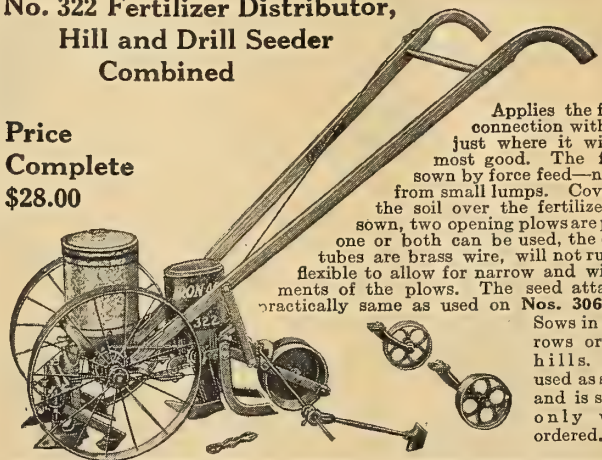
The working tools include set of three cultivating teeth, separate wide and narrow cultivating teeth, scuffle hoe, and landside plow.

Price No. 19C \$6.00

24-inch Wheel Steel Frame; Adjustable Handle

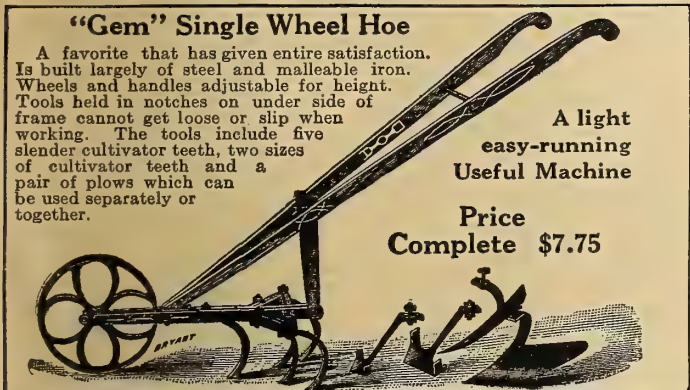
No. 322 Fertilizer Distributor, Hill and Drill Seeder Combined

Price Complete \$28.00



Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed—no stoppage from small lumps. Covers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 306 and 315.

Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.



"Gem" Single Wheel Hoe

A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.

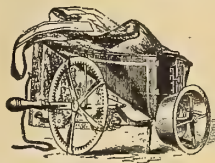
A light easy-running Useful Machine

Price Complete \$7.75

CORN PLANTER—Hand

"The Eagle." This is a rotary planter, having three different sized plates which can be easily changed. Each, \$2.50.

CAHOON SEEDER

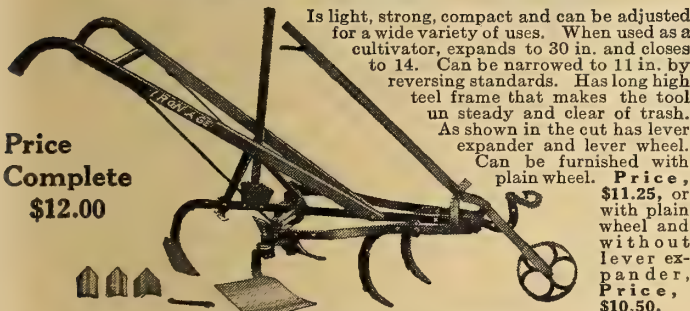


It will seed evenly four to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5½ lbs.

Price, \$4.50.



No. 600EL Horse Hoe and Cultivator



Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high teel frame that makes the tool unsteady and clear of trash. As shown in the cut has lever expander and lever wheel.

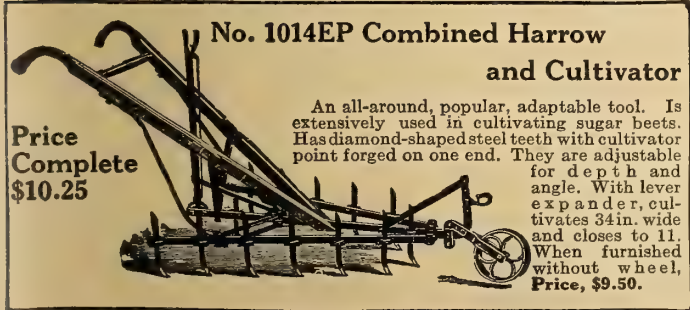
Can be furnished with plain wheel. **Price, \$11.25,** or with plain wheel and without lever expander, **Price, \$10.50.**

Price Complete \$12.00

QUALITY HAND TOOLS FOR THE HOME GARDEN

We carry a most complete line of necessary hand tools for garden work. Supplying, as we do, thousands of commercial gardeners and florists we have learned that there is a quality factor in hoes and spades as there is in automobiles. Shape, correct balance—tempered, durable steel—proper strength at weak points are a few of elements of quality in such implements. Below we list a few quality necessary tools for small garden use. Prices f.o.b. our store:

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Garden Hoe.....	\$1.00	Magic Combination Hand Weeder and Hoe.....	\$0.40
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Garden Spade.....	1.90	Excelsior Hand Weeder.....	.15
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Ordinary Garden Trowel.....	.20		
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No. 1014EP Combined Harrow and Cultivator

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, **Price, \$9.50.**

Price Complete \$10.25

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We take pleasure in recommending to our customers the "Iron Age" Potato tools, as we know they will give unqualified satisfaction. We can supply the Planter, Sprayer and Digger, and as our space here is too limited to give detailed description, we will mail illustrated catalogue on application which will give full details.

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THE improved Prairie State Incubators are not only the most successful hatchers, but are honestly made—dependable, durable machines through and through. They are made to adjust themselves automatically to existing conditions, and consequently they overcome the possibilities of neglect or ignorance of the operator.

The Prairie State Incubator case is insulated, heavy and permanent. It can be used in coldest weather in an unheated room as the heater is powerful and efficient, ventilation is free, and humidity is automatically supplied under every possible external condition. The regulator is sensitive and automatic.

The widest practice has conclusively demonstrated the entire Prairie State make-up to be such as to insure a latitude greater than that of any other incubator on the market to-day.

COMBINATION COLONY HOUSE BROODERS
 No. 1 (outdoor) weight, crated, 300 lbs. \$30.00
 No. 2 (outdoor) weight, crated, 208 lbs. 27.50
 No. 3 (outdoor) weight, crated, 150 lbs. 22.00

Heat regulator attached to any of the above brooders \$1.00 extra.



PRAIRIE STATE No. 1.

- STANDARD SERIES**
- No. 0, 100 eggs; 135 lbs. with ordinary heater. \$27.00
With Underwriter's Insurable Heater. 31.00
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With Underwriter's Insurable Heater. 39.00
 - No. 2, 240 eggs; 225 lbs.; ordinary heater. 50.00
With Underwriter's Insurable Heater. 55.00
 - No. 3, 390 hen eggs; 325 lbs.; ordinary heater. 65.00
With Underwriter's Insurable Heater. 70.00

- KEYSTONE SERIES**
- No. 0, 60 hen eggs; 60 lbs.; ordinary heater. \$15.00
With Underwriter's Insurable Heater. 17.50
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- UNIVERSAL HOVER**
- Complete Hover for outdoor use with Lamp
Case; 50 lbs. crated. \$ 9.00
 - Complete Hover for indoor use, no Lamp
Case; 30 lbs. boxed. 8.00
With regulator attached \$1.00 extra.

- PRAIRIE STATE PORTABLE HOVER**
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- PRAIRIE STATE STOVE BROODERS**
- Senior, capacity 250 to 1000 or more chicks. \$40.00
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HOUDANS

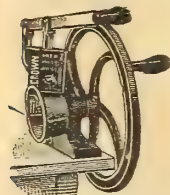
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HATCHING EGGS AND BABY CHICKS IN SEASON

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Humphrey's Bone Mill. Open hopper. Four cutting knives. Very reliable machine, simple, durable and economical, easy to clean, and not liable to get out of order.



- No. 1—Hand Power. \$16.50
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- No. 2½—Hand and Power 20.00
- Crown Bone Cutter.** Machine for 50 to 100 hens.
- Weight with stand, 80 lbs. \$15.00
- Without stand, 50 lbs. 11.50
- Wilson Dry Bone Mill.**—Grinds grain, stone, etc. Economical, and easily operated

Crown Bone Cutter Without stand, \$6.00; weight 33 lbs. With stand, \$8.25; weight 64 lbs. Diameter of hand wheel 22 inches.

Wilson No. 0 Grist Mill will grind or crack all kinds of grain. Without stand, weight 30 lbs. Price \$6.00. With stand, weight 60 lbs. Price, \$8.25.

Humphrey Clover Cutter. Balance wheel makes work easy. Price \$13.50, with stand \$18.00.

Red Chief No. 5. Grinds all kinds of small grains. Suitable for grinding whole wheat flour. Price, \$7.50.

Red Chief No. 2. Suitable for grinding grains of all kinds for table or poultry purposes. Price, \$5.00.

No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	\$0.40	\$4.00
2	18	18	18	.45	4.50
3	12	21	21	.45	4.50
4	18	21	21	.50	5.00
5	24	21	21	.60	6.25
6	30	21	21	.65	7.00

Caponizing Set. Book of Instructions with every set. Philadelphia Caponizing Set, complete. \$2.50. Farmer's Caponizing set, complete, \$3.00. Special Caponizing set, complete, mailing weight 8 ozs., \$4.00.

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Petty Poultry Punch. Best punch made. Price, postpaid, 27c.

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Improved Champion Leg Bands. Prices, doz., 15c; 25, 25c; 50, 40c; 100, 75c; postpaid.

Smith Sealed Leg Bands. Prices, doz., 30c; 25, 50c; 50, \$1.00; 100, \$1.50.

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Porcelain Nest Eggs, 3c each; 2 for 5c; doz., 25c.

Peerless Hot Water Drinking Fountain. 5 qt. size, \$2.00; 10 qt. size, \$2.60.

Moe's Top Fill Drinking Fountain. 1 gal., \$1.90; 2 gal., \$2.75; 4 gal., \$3.50.

Prairie State Fountains. Made of galvanized iron. 1 qt., each, 35c; doz., \$3.75; 2 qt., each 45c; doz., \$4.75; 1 gal., each, 90c; doz., \$5.00.

Vaughan's Earthenware Fountain. Prices, 1 qt., each, 30c; doz., \$3.25; 2 qt., each, 40c; doz., \$4.35; 4 qt., each, 50c; doz., \$9.50.

Vaughan's Grit and Shell Box. Three compartments; very economical. Price, \$1.10.

Hub Chick Feeder. Absolutely sanitary. Price, 9-in. feeder, 35c; 15-in. feeder, 50c.

Long Style Egg Carrier. Per doz., 20c; 25 for 35c; 50 for 65c; 100 for \$1.25; 1000 for \$11.00.

"Humpty-Dumpty" Folding Egg Crate. The best, cheapest and most convenient egg-carrier in existence. 6 doz. size, each, 35c; 12 doz. size, each, 45c.

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Nest Bowls. 10-inch Clay. Price, each 18c; doz. \$1.80.

Jersey Perch. Best on the market. Each, 8c; doz., 85c.

Vaughan's Pigeon Food. Put up as follows:

5-lb. cartons. 50-lb. sacks.

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Seamless Aluminum Bands, made in three sizes numbered only. Doz., 20c; 25, 35c; 100, \$1.00.

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Conkey's Noxicide. Disinfectant, deodorant and germ destroyer. Price, 1 pt., 50c; 1 qt., 75c; 2 qts., \$1.25; 1 gal., \$2.00.

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Conkey's Roup Cure. Price, pkg., 30c, 60c and \$1.20.

Conkey's Poultry Tonic. A general invigorator. Price, 30c, and 60c.

Conkey's Gape Cure. Price, per can, 30c and 60c

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Poultry Worm Remedy. Price, per can, 30c and 60c

Pratt's Roup Cure. Package, 25c; 50c and \$1.00.

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Pratt's Scaly Legs Remedy. Package, 25c.

Pratt's Bronchitis Remedy. Package, 25c.

Pratt's White Diarrhoea Remedy. Pkg., 25c; 50c.

Pratt's Condition Tablets. Package, 25c.

Pratt's Lice Killer, 1 lb. can 25c; 2½ lbs. 50c.

Pratt's Sorehead and Chicken Pox Remedy, per box, 25c and 50c.

Pratt's Cholera Remedy, per box, 25c and 50c.

Pratt's Poultry Regulator. Per pkg., 25c and 50c; 12 lb. pail, \$1.25; 25 lb. pail, \$2.50.

GERM-U-DI. The chicken remedy for Roup, Colds, Swelled Heads, Bowel Trouble. 6 oz., 25c; 14 oz., 50c; 32 oz., \$1.00.

POULTRY BOOKS

The American Standard of Perfection. Cloth. \$2.00

Farm Poultry Doctor. By Dr. W. N. Sanborn. .50

Money in Broilers and Squabs. By M. K. Boyer. .50

Best Book Published. .50

Poultry Craft. By J. H. Robinson. 272 pp. 2.00

Poultry Account Book.50

The Practical Poultry-Keeper. By Lewis Wright. 300 pp. Profusely illustrated. 2.00

The Bantam Fowl. By T. F. McGrew. Only complete Bantam Book. 60 illustrations.50

999 Questions and Answers—On Poultry, Turkeys, Geese and Ducks, Diseases, Eggs, Incubators and Buildings. By Frank Heck.50

Reliable Poultry Remedies. Full instructions, 64 pp. 56 inches. Price.25

The Plymouth Rock—Barred, Buff and White. By experts in breeding. 1.00

The Wyandottes—Silver, Golden, White, Buff and Partridge. By experts. 160 pp. 1.00

NOTICE—All poultry orders of \$3.00 and over are delivered free within 25 miles of our Chicago store (feed, oyster shells and grit excepted). Outside this limit prices F. O. B. Chicago. This does not apply to wholesale orders, nor goods in cases, sold on special quotations.

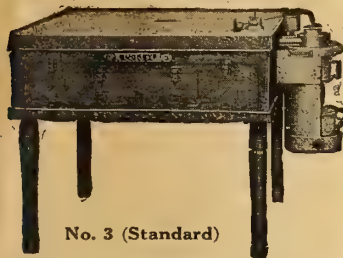
Prices subject to change without notice.

VAUGHAN'S POULTRY DEPARTMENT

BUCKEYE INCUBATORS AND STANDARD COLONY BROODERS

We are pleased to announce that we have recently been appointed territorial distributors for the entire **Buckeye Line** of Incubators, Brooders, and Brooder Stoves, as manufactured by the Buckeye

Incubator Company of Springfield, Ohio. At all times we will carry a complete stock of this make on hand and will be able to fill your orders promptly.



No. 3 (Standard)

PORTABLE OIL BROODERS

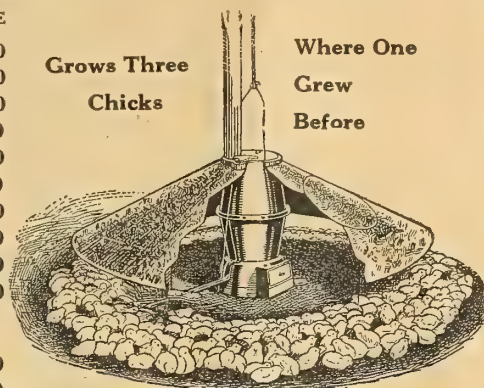
All the desirable features of Coal Burners.
 No. 20. Diameter 19 inches, capacity 60 chicks, \$8.50.
 No. 21. Diameter 22 inches, capacity 100 chicks, \$10.50.
 No. 22. Diameter 30 inches, capacity 150 chicks, \$13.50.

INCUBATORS	PRICE
Style E, No. 14 (capacity 60 eggs).....	\$12.00
Style E, No. 16 (capacity 110 eggs).....	20.50
Style E, No. 17 (capacity 200 eggs).....	27.50
Style H, No. 15 (capacity 60 eggs).....	16.50
No. 60 Standard (60 eggs).....	19.50
No. 1 Standard (110 eggs).....	27.50
No. 2 Standard (175 eggs).....	32.50
No. 3 Standard (250 eggs).....	42.50
No. 4 Standard (350 eggs).....	52.50
No. 5 Standard (600 eggs).....	75.00

COLONY BROODERS

No. 18 (capacity up to 500).....	19.00
No. 19 (capacity up to 1000).....	23.50

Write us for complete Buckeye Catalogue



Showing a Standard Colony Brooder in operation with 1050 chicks

POULTRY FEEDS AND GRAINS

Send us your name and address so we can send you our Monthly Price List of Feeds.

VAUGHAN'S GROUND BEEF SCRAPS

Or Prepared Meat for Poultry

This is the finest thing to stimulate hens during the winter. Mix with the daily mash and feed three times a week at the rate of 1 oz. to each fowl.

Put up in 25-lb., 50-lb. and 100-lb. bags.

ALFALFA CLOVER MEAL

PEARL GRIT

CRUSHED OYSTER SHELLS

CHARCOAL

Coarse Ground or Granulated

GROUND BONE

Put up in 25-lb., 50-lb. and 100-lb. bags.

CONKEY'S BUTTERMILK STARTING FOOD

5 lbs.....	\$0.50	10 lbs.....	\$0.95
50 lbs.....	4.50	100 lbs.....	7.50

PRATT'S BABY CHICK FOOD

3 lbs.....	\$0.30	6½ lbs.....	\$0.60
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SPRATT'S GAME MEAL

(Pheasant Food)

5 lbs.....	\$0.50	50 lbs.....	4.75
25 lbs.....	\$2.40	100 lbs.....	\$9.00

STOCK AND SUPPLIES

Spratt's various Dog, Puppy, Fish and Meat; Terrier, Pet Dog, Midget and Cut Biscuits; Cod Liver Oil and Puppy Cakes. 35c per box.

Conkey's and Spratt's various Dog and Horse Remedies.

On account of the variations of the market we are unable to list Prices on the following commodities. Write for our monthly feed quotations.

Vaughan's Poultry Feeds

FUL-O-PEP SCRATCH FEED

contains no grit or shell. Every ounce is pure, sound grain. The mixture is scientifically prepared to make it the best balanced ration, especially when fed in conjunction with Ful-O-Pep Dry Mash. It contains such grains as Corn, Wheat, Buckwheat, Barley, Kaffir Corn, Sunflower Seed, etc. Price on Monthly Order Blank. Mailed Free.

FTL-O-PEP DRY MASH

the feed that produces the eggs—should be fed in open hoppers at all times. Ful-O-Pep Dry Mash is a finely ground food, consisting of the various grains, in the proper proportion, to produce eggs without forcing or fattening. Price on Monthly Order Blank. Mailed Free.

VAUGHAN'S CHICK FEED

This contains all that is necessary for chickens until they are four or five months old, except water (or preferably skimmed milk) to drink, and clean, fresh grass or green feed. With proper care and attention to their surroundings this Food will raise every chick. Never feed more than they will eat up clean and make them hunt or scratch for most of it. Turn food out and mix well together, as grit and small seeds settle to the bottom of packages. We offer two grades.

Fine. For chicks up to six weeks old. **Coarse.** For chicks 6 weeks to 4 months old. Put up in 5-lb., 25-lb., 50-lb. and 100-lb. bags. Prices on monthly order blank.

VAUGHAN'S PIGEON FOOD

A scientifically prepared balanced ration food. Especially adapted to the growth of young pigeons and squabs. It makes the best general feed for all kinds of Fancy and Domestic Pigeons. Keeps the birds healthy and develops shape, style and plumage to a remarkable degree. As a foundation food it has no equal. Put up as follows: Put up in 5 lb., 50 lb., and 100 lb. bags. For prices ask for monthly order blank.

We carry a complete line of the following feeds and will be pleased to quote prices on application.

Barley	Wheat
Buckwheat	Wheat, cracked
Corn, whole	Wheat, Hard Red
Corn, cracked	Wheat Bran
Corn, flint	Wheat, Middlings
Canada Peas	Gluten Feed
Vetches	Cottonseed Meal
Oats	Canary
Oats, steel cut	Millet
Oats, hulled	Sunflower
Kaffir Corn	Hemp Rape

BLATCHFORD'S MILK MASH

Best substitute for milk. Contains dry milk, grains, bone meal, beef scrap, bran and grit, combined in the right proportion for baby chicks.

Put up in 4 lb. pkg., 40c; 25-lb. and 100-lb. sacks. Write for prices.

See monthly order blank for prices.

BLATCHFORD'S EGG MASH

Dry milk and ground grains, prepared so as to make a splendid everyday feed, and to stimulate egg production without either forcing or fattening.

Put up in 25-lb., 50-lb. and 100-lb. bags. See monthly order blank for prices.

VAUGHAN'S SEED STORE issues a Special Poultry Catalogue showing a full line of Drinking Fountains, Hoppers, Grit Boxes, Feeders and Exercisers, Shipping Coops, Exhibition Coops, etc., from which much valuable information can be obtained for the poultrymen. This catalogue will be sent free for the asking. Write for monthly order blank.

Prices subject to change without notice.

PLAN THE VICTORY GARDEN

WHY PLAN?

PLANT THE BEST

The call to patriotic service by producing more food still comes to everyone. Experience proves that better results can be secured by planning your garden in advance, instead of waiting until the time to plant, buying seed during the spring rush and starting work in a hit-or-miss way. Many books have been written

on garden making from various standpoints, treating of soils, fertilizers, varieties, methods of culture, etc. Our catalog has never been intended as an instruction book; but because of the great interest in gardens among beginners, we give on this page a few suggestions on kinds most available and planting dates.

PLAN FOR SUCCESS

The Small City Garden is often difficult for a beginner because of poor soil, shade from houses and smoke. But good results were secured with vegetables and flowers in many city gardens last year. These vegetables are recommended by Mr. J. H. Prost, War Garden Director, 1918, State Council of Defense: Beans, beets, carrots, leaf lettuce, radishes, chard and onion sets. They can all be grown in a space 10 by 12 feet. For such a garden up to 25 feet we have a low priced collection consisting of:

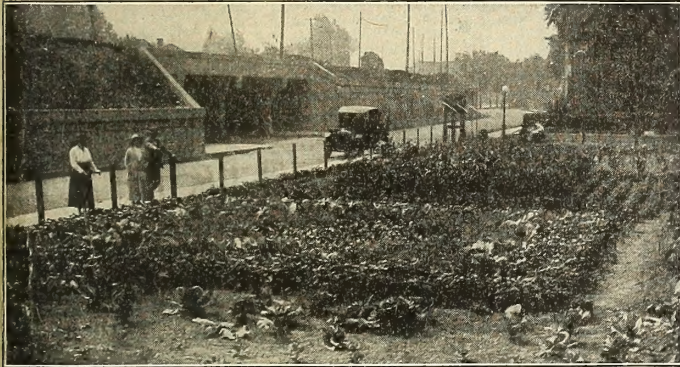
VICTORY COLLECTION No. 1, Postpaid, \$1.00

Beans, Stringless Green Pod	Lettuce, Curled Simpson
Beans, Improved Golden Wax	Parsley, Double Curled
Beets, Crosby's Select	Peas, Premium Gem
Corn, Golden Bantam	Radish, Scarlet White Tip, Icicle
Carrot, Early Chantenay	Swiss Chard
Lettuce, All Seasons	Onion Sets, 1 pint

Planting directions are printed on each package.

Certain Kinds of Flowers are easily grown in the city garden. These never fail; Gladiolus bulbs, Nasturtium, Portulaca, Poppies, Sweet Alyssum and Morning Glory. These can readily be grown in pots and boxes on the back porch or roof. Make a start, and you will be gratified with the results. Study garden articles and books and draw a garden plan.

Prepare the ground well by spading up eight inches deep and work into it old manure and rotted leaves; also sifted ashes or a little old plaster or lime screenings. Rake the soil fine and smooth and plant seeds in rows about 10 or 12 inches apart. You can put a few tomato plants in a sunny spot along a fence or train to stakes, and also grow a few pole beans at the side.



1918 PRIZE WAR GARDEN, Greenebaum Contest, Chicago

Suburban Garden conditions are favorable for the beginner, and a larger variety of vegetables and flowers can be grown successfully. If space be limited the selections should be made for quality and food value, and crops rotated keeping ground producing some crop all the time.

The Best Vegetables to start with, in addition to those already given, are cabbage, cauliflower, sweet corn, Chinese cabbage, lima beans, peas, parsnips, turnips, parsley, spinach, summer squash, tomatoes and cucumbers. Potatoes should not be grown unless space is considerable, as they produce only where soil is loose and fertile. Beginners will make fewer mistakes if they get one of our **Victory Collections** of selected varieties, known to do well under average conditions, and containing amounts of seed sufficient for the small home garden.

VICTORY COLLECTION No. 2, Postpaid, \$1.50

Beans, Stringless Green Pod	Peas, Nott's Excelsior
Beans, Improved Golden Wax	Radish, Scarlet Turnip White Tip
Beans, Burpee's Bush Lima	Radish, 20-Day
Beets, Crosby's Egyptian	Radish, Icicle
Carrot, Early Chantenay	Spinach, Round Leaf
Cucumber, Arlington White Spine	Swiss Chard
Kohlrabi, White Vienna	Turnip, Purple Top Strap Leaf
Lettuce, Early Curled Simpson	Sweet Corn, Golden Bantam, 1/2 pint
Lettuce, Big Boston	Onion Seed, Yellow Globe, Danveis
Parsley, Moss Curled	Onion Sets, 1 pint

For Amateur Gardeners in some localities certain named varieties of vegetables or flowers seem to grow bigger or yield better than other sorts, probably because of soil conditions. For example, some gardeners prefer Improved Golden Wax bean to Wardwell's Wax. Some may have had better success with Stringless Green Pod than with Bountiful or other sorts. In some gardens Vaughan's Fireball beet has done better than Crosby's Egyptian. Among flowers, the Crego type of Aster may be more pleasing than the Giant Branching, and the list could be extended indefinitely. Such preferences result from experience and personal taste.

Good Amateur Varieties of vegetables favored by Dr. E. D. W. Laufer, of the American Steel & Wire Co., and grown by him near Chicago, are as follows: Beet, Fire Ball; Beans, Stringless Green Pod, Wardwell's Wax, Kentucky Wonder, Improved Bush Lima, Carpentaria Pole Lima; Carrot, Chantenay and Danvers; Cabbage, Early Jersey Wakefield, Danish Ball Head; Cauliflower, Snow Ball and Dry Weather; Chard, Lucullus; Corn, Golden Bantam, Early Champion; Cucumber, Arlington White Spine; Lettuce, Black-seeded Simpson; Kohlrabi, White Vienna Onion, Southport Yellow Globe and Red Wethersfield; Peas, Nott's Excelsior and Gradus; Parsnip, Magnum Bonum; Pepper, Magnum Dulce; Radish, Scarlet Turnip White Tip, Icicle; Spinach, Round Leaf and Victoria; Squash, Mammoth White Bush and Delicious, Tomato, Acme and Beauty; Turnip, Purple Top Strap Leaf and White Milan. This list suitable for a 50-foot lot if properly planned.

Draw Your Own Plan. We do not give a planting chart, as each gardener must plant to suit space or location. In general, make long rows and not small beds. Sow radishes with carrots and parsnips. Put onion sets in beet rows and plant tomatoes on space left by early crops. Train tomatoes to stakes or sunny side of a fence. Sweet corn pollenizes and yields better when planted in fairly short sections of adjacent, rows than in long single rows.

DO NOT NEGLECT FLOWERS

Our lists of Gladiolus and other flower bulbs and perennial plants offer a large selection for beds and borders, and the Summer Annual flowers, easily grown by anyone from our seeds, will beautify and furnish pleasure through the entire season. Every garden should have flowering as well as food plants.

What Can I Do Each Month in the Garden?

MARCH.—Ask for our leaflet "How to Make a Hot-bed" and sow in it, or indoors in boxes, Snowball Cauliflower, Early Jersey Wakefield Cabbage, All Head and Grand Rapids Lettuce, Acme or Earliana Tomato, Magnum Dulce Pepper.

Have manure or fertilizer ready, look over tools and get what are needed. Watch ground and start work as soon as it is workable. If favorable; sow beets, onions, onion sets, carrots, parsnips, spinach, early round peas.

Work manure or fertilizer around asparagus and rhubarb or set out these plants, fruit trees and shrubs. Plan a strawberry bed and order Dunlap, Klondyke, early; Progressive, the true everbearing.

JUNE.—Set out tomato plants, if not done before; also celery, after soaking ground and roots. Keep on planting bush beans, carrots, sweet corn, kohlrabi. Plant summer squash, including Mammoth White bush, Fordhook, Vegetable Marrow or Crookneck. Sow late beets and carrots, also Vaughan's Improved or Purple Top Rutabaga for winter use. Spray tomatoes and potatoes with Bordeaux mixture to prevent blight. Watch melons or cucumbers and all plants for lice and worms, and spray with nicotine soap or lead arsenate promptly. Keep soil in good cultivation to kill weeds and provide a dust mulch to retain moisture.

APRIL.—Sow early beets, carrots, peas, Scarlet Turnip White Tip and Icicle radish, Swiss chard, leek, lettuce, White Milan turnip, spinach and parsnip. Set out as soon as favorable early cabbage and cauliflower plants or harden off in cloth covered cold fr. me. Start cucumbers, melons and lima beans in squares of soil or paper boxes in cold frame. Make first plantings of green and wax bush beans or Kentucky Wonder pole bean latter part of month if soil is warm, also plant Early Iowa and Golden Bantam corn. Sow indoors Asters, Phlox Drummondii, Salvia, Pansy, Petunia, Verbena and Zinnia seeds. Plant Gladiolus bulbs latter part of month and each ten days until June 15. Study our list of these lovely and easily grown flowers.

MAY.—Plant bush and pole beans, lima beans, sweet corn, peas; make second sowings of radishes, beets, carrots, lettuce and thin out former sowings. Set out plants of cabbage, egg plant, cauliflower, tomato or Brussels sprouts; transplant head lettuce, celery, also cucumbers and melons from cold frame, but protect with glass or cloth-covered box.

Watch for beetles and plant lice and have sprayer or duster ready, with proper insecticides.

Prepare flower beds for early started plants. Set out Gladiolus, Dahlias, Cannas; our canna plants give brilliant lawn effects.

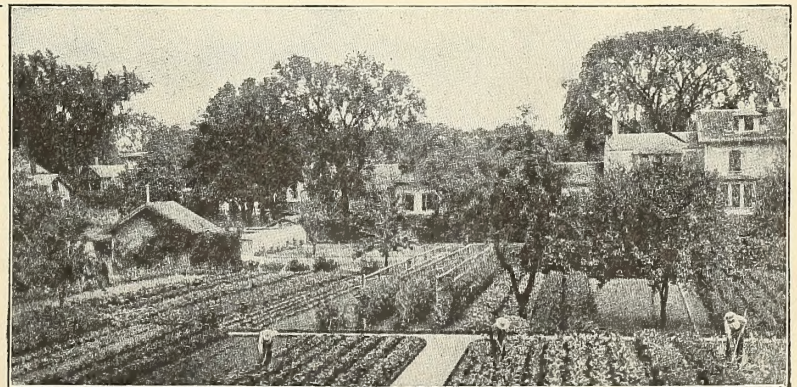
Ask at each call for atest copy "Vaughan's Pointers for Planters."

BEST BOOKS FOR BEGINNERS

Hints and Helps for Young Gardeners	Price
The Backyard Gardener, Farrington	\$0 35
The Practical Garden Book	1 00
Home Vegetable Garden From A to Z	1 10
Backyard Farmer, Bolte	1 25
The Home Gardener, Rexford	1 00
Vaughan's Vegetable Garden	1 25
Vaughan's Pointers for Planters—booklet	25

FREE We will send one of our booklets free with an order of vegetable or flower seed.

Additional list and Special Books on page 139.



VAUGHAN'S

HOME GROWN

GLADIOLI

PRIMULINUS
 "SUNBEAM"
 A novel and
 graceful decorative
 type.



EUROPE
 A Wonderful
 Pure White.



MRS. FRANK PENDLETON
 The sensational Pink of to-day.



Half
 Natural
 Size.

SCHWABEN
 The Giant of
 Yellow Gladioli.

"Cover Collection"
 OF
Gladioli
 The Four Kinds illustrated on this page.
 One of each (4 bulbs) for 60c.
 Three of each (12 bulbs) for \$1.75.
 ALL PRE-PAID.